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ON THE PHONOLOGY OF THE ČAKAVIAN DIALECT OF ĆUNSKI ON THE ISLAND OF LOŠINJ

This article deals with the phonology of a Central Čakavian dialect, both from a synchronic and diachronic perspective, and is based on the author's fieldwork material. First the author presents a synchronic analysis of the vowel system (including accentuation), then he proposes a reconstruction in the form of a series of rules which led from late dialectal Proto-Slavic to the present-day state of affairs. Special attention is given to the reflexes of *jat*. The article concludes with observations on the development of the consonants.

1. Introductory remarks

The material presented in this article was collected more than fourteen years ago, during two weeks of field-work in Ćunski in the summer of 1989. In that same year I made a preliminary analysis of the data, but until now I did not find the time to publish the results.

It was a lucky thing that I did not decide to visit Ćunski much later, because already in 1989 the number of potential informants was very small. Most houses in Ćunski were either uninhabited or owned by people from other parts of Croatia and used as weekend and holiday residences. For many decades, the 'original' population of Ćunski had been leaving the village for good, chiefly to the United States. As far as I could make out, only four families who had been living in Ćunski for at least

a couple of generations were still living there. Most members of these families were relatively young and not in full command of the local Čakavian dialect, but I was able to find five older dialect speakers (all over eighty years of age), four of whom were willing to spend a few hours with me, answer questions about their dialect and have themselves recorded. My material consists of nine hours of recorded speech.

The dialect possesses a combination of two traits which characterizes it as 'Central Čakavian' (see Vermeer 1982:289–290):^{1,2}

- 1. an *i/e*-kavian reflex of Proto-Slavic *ě according to Jakubinskij's law (see Jakubinskij 1925), e.g. *dêlo* 'work', *vrîme* 'time';
- 2. absence of neocircumflex in the present of verbs with *e*-conjugation and fixed stem-stress, e.g. *plāče* PR3sg 'cry', *potēže* PR3sg 'pull', *rìžete* PR2pl 'cut', *bùbne* PR3sg 'bump'.^{3,4,5}

2. Accentuation and vowel inventory

The dialect shows no phonemic tone opposition ('rising' vs. 'falling'), but there is a length distinction on stressed vowels. As we shall see in 2.5 below, the feature 'long' is in some cases optional.

¹ As I have tried to show in an earlier publication, Ćunski is the northernmost village on Cres-Lošinj where Central Čakavian is spoken. The dialect of Nerezine (the second village north of Ćunski and the northermost village on Lošinj) is Northwest Čakavian, as are all dialects on Cres. The dialect of Sveti Jakov, the first village north of Ćunski, is transitional between Central and Northwest Čakavian (1984–85:885).

² In the following, I shall often compare the data from Ćunski with those from other Čakavian dialects spoken on Cres-Lošinj, especially from the dialect of Orlec, on which I wrote a monograph. When reference is made to material from Orlec without any bibliographical information, the forms in question can be found in the lexicon of Houtzagers 1985 (pages 204–407).

³ Abbreviations: 'N', 'G', 'D', 'A', 'I' and 'L' mean 'nominative', 'genitive', 'dative', 'accusative', 'instrumental' and 'locative'; 'sg' and 'pl' mean 'singular' and 'plural'; 'm', 'f' and 'n' mean 'masculine', 'feminine' and 'neuter'; 'INF', 'PR', 'IMP', 'LP' and 'PP' mean 'infinitive', 'present', 'imperative', 'l-participle' and 'passive participle'; '1'-'3' mean 'first person': 'third person'; 'DIM', 'P-A' and 'TOP' mean 'diminutive', 'pejorative-augmentative' and 'toponym'.

 $^{^4}$ Long \hat{a} and \hat{e} reflect originally short (not neo-circumflexed) vowels (see 2.1 below).

⁵ Strictly speaking, neocircumflex should also be absent in adjectives. If this criterion is applied, such Ćunski forms as *moâli* Nsg m 'small' and *stoâri* Nsg m 'old' (with neocircumflex) present a problem, but so does the absence of neocircumflex in *stári* in the (otherwise Northwest Čakavian) dialect of Orlec on Cres. Presence or absence of neocircumflex in adjectives does not seem to be a useful criterion for the distinction between Central and Northwest Čakavian on Cres-Lošinj.

2.1. Stressed final syllables; lengthening before tautosyllabic resonants

In stressed word-final syllables (including monosyllables) we have a five vowel system with a length opposition. All long non-high vowels but one are diphthongs. The only non-high long monophthong (\hat{a}) has a limited distribution.

	long			short	
î		û	ì		ù
iê		иô	è		ò
	oâ (â)			à	

Diagram 1: stressed word-final syllables

Examples: aprîl 'April', umrît 'die', žîl Gpl 'root', famiêj Gpl 'family', ziêc 'hare', šeždesiêt '60', jenoâr 'January', špoâh 'rope', znoân PR1sg 'know', Buôh 'God', muôre 'sea', nuôh Gpl 'leg', poberû PR3pl 'gather', kljûč 'key', kûć Gpl 'house', šufit 'attic', tel-čić 'calf' DIM, živìt 'live', dešpèt 'damage', zèt 'son-in-law', žerè PR3sg 'eat (of animal), stolà Gsg 'table', fermàt 'stop', svenàc 'louse', pòp 'priest', dobrò adverb 'good', bòp 'broad beans', krùh 'bread', paršùt 'ham', tlohù Lsg 'floor'.

The long vowels in diagram 1 reflect not only 'originally' long vowels, but also the results of lenghtening before tautosyllabic resonants, e.g. ženîl LPm 'marry' (cf. ženîli LPplm), usnûl 'fall asleep' LPm (cf. usnûla LPf), tovoâr 'donkey' (cf. tovâra Gsg), stuôl 'table' (cf. stolà Gsg).6

There are three sets of instances of long monophthongal \hat{a} in stressed final syllables: (1) the lexeme $vr\hat{a}h$ 'devil'; (2) the Lpl ending $-\hat{a}h$, e.g. $nog\hat{a}h$ 'foot', $ruk\hat{a}h$ 'hand'; (3) forms ending in $-\hat{a}RC\#$ (where R is r or l, C is one or more consonants and # is a word-boundary), e.g. $p\hat{a}rst$ 'finger', $d\hat{a}rf$ Gpl 'firewood', $v\hat{a}rh$ 'top', $k\hat{a}rf$ 'blood', $T\hat{a}rst$ 'Trieste', $s\hat{a}rp$ 'sickle', $p\hat{a}lt$ 'complexion', $p\hat{a}l\hat{s}$ 'snail', $b\hat{a}lh$ Gpl 'flea'.

⁶ Lengthening before tautosyllabic resonants has taken place over a very wide area, including all dialects of Cres–Lošinj (cf. Houtzagers 1984–85:886).

⁷ The phonological status of \hat{a} in the instances under (3) is not clear, since I have not attested any forms in $-\hat{a}RC\#$ or $-\hat{o}aRC\#$. The monophthong \hat{a} in the instances under (1) and (2) is phonemically distinct from $\hat{o}a$, cf. $\hat{s}p\hat{o}ah$ 'string'; I have no instances with $-\hat{a}h\#$. It is very well possible that the monophthongal quality of the vowel in $vr\hat{a}h$ is distinctive, as it is in the same word in many Čakavian dialects that usually diphthongize (or round) originally long a, cf. Hamm–Hraste–Guberina 1956:104, Houtzagers 1987:68, Budovskaja–Houtzagers 1994:95, Jurišić 1973:233, Steinhauer 1973:288, Vermeer 1975:141.

2.2. Stressed non-final syllables; the Lengthening Rule

In stressed non-final syllables the number of phonemic oppositions is greater than in stressed final ones. As can be seen in diagram 2, long non-high vowels cannot only be diphthongal, but also monophthongal:

long			short			
diphtho			phthongal			
		î	û	ì		ù
iê	иô	ê	ô	è		ò
oâ			â		à	

Diagram 2: stressed non-final syllables

As in many other dialects in the area, we must assume that there has been a lengthening of originally short *e*, *a* and *o* in stressed non-final syllables. In the following I shall refer to this lengthening as the 'Lengthening Rule'.⁸ Monophthongal ê, â and ô in diagram 1 reflect the results of the Lengthening Rule. Examples: *poglêdat* 'look', *susêda* Gsg 'neighbour', *vêli* 'big', *râme* 'shoulder', *slâme* Gsg 'straw', *znâli* LPplm 'know', *dôbar* 'good', *kônji* Npl 'horse', *nôge* Npl 'leg'.

The Lengthening Rule has caused length alternations in such paradigms as *Crès* TOP, Gsg *Crèsa*; *bogàt* 'rich', Nsgf *bogâta*; *kamižòt* 'skirt', Npl *kamižôti*.

The long monophthongs \hat{e} and \hat{o} show a tendency to maximize the phonetic difference between themselves and the diphthongs $i\hat{e}$ and $u\hat{o}$: they are often realized as closing diphthongs ([eⁱ], [o^u]). The degree of diphthongization varies.

Short *è*, *à* and *ò* in diagram 2 represent vowels on which the expected length is not found. Examples: *dèset* 'ten', *zovèmo* PR1pl 'call', *nàj*- (superlative prefix), *svàki* 'each', *dòma* '(at) home' (but *pud dôme* 'on the way home'), *dòsta* 'enough', *šòldi* 'money'.

The monophthongs $\hat{\imath}$ and \hat{u} and the diphthongs $i\hat{e}$, $o\hat{a}$ and $u\hat{o}$ reflect vowels that were already long before the operation of the Lengthening Rule. Examples: $but\hat{\imath}ga$ 'shop', $p\hat{\imath}ta\hat{s}$ PR2sg 'ask', $z\hat{\imath}da$ Gsg 'wall', $p\hat{\imath}stimo$ PR1pl 'let', $r\hat{\imath}ku$ Asg 'hand', $z\hat{\imath}tu$ Asgf 'yellow', $bi\hat{e}lo$ Nsgn 'white', $ri\hat{e}tko$ Nsgn 'rare', $vi\hat{e}zte$ PR2pl 'tie', $mlo\hat{a}di$ Nsgm

⁸ The Lengthening Rule has also operated in Sveti Jakov and Nerezine on Lošinj and in all dialects spoken on Cres (see Houtzagers 1984–85) and on Susak (see Vermeer 1975: 175–176). One can also argue that it operated in Kali on the island of Ugljan (see Budovskaja–Houtzagers 1994:95–96).

⁹ About the question of the exceptions to (or restoration after) the Lengthening Rule see 2.6.

'young', stroâha Gsg 'fear', vroâta Gsg 'neck', muôre 'sea', uzguôra 'from above', gruôzje 'grapes'. 10

Short i and u reflect originally short i and u. Examples: dimi PR3sg 'smoke', dicina 'children (P-A)', koliko 'how much', drugi Nsgm 'second', cull a LPf 'hear', kuhat 'cook'. Short i and u (both in final and nonfinal syllables) are sometimes realized lower than their long counterparts. The frequency of these lower realizations is different for each speaker and the degree of lowering varies as well.¹¹

2.3. First pretonic syllable

In unstressed syllables the length distinction was lost. In the first pretonic syllable originally long e, a and o are reflected as diphthongs, their originally short counterparts as monophthongs. This suggests that the loss of the length distinction in the first pretonic syllable took place after the diphthongization of originally long e, a and o:

	diphthongal		moi	nophthongal
			i	и
ie		ио	e	0
	oa			a

Diagram 3: first pretonic syllable

Examples of diphthongs: <code>cvietki</code> Npl 'certain variety of fig', <code>pieta</code> 'heel', <code>stiegno</code> 'hind-quarter', <code>striese</code> PR3sg 'shake', <code>viezat</code> 'tie', <code>zietac</code> 'cask in which cheese is made', <code>zoabila</code> LPf 'forget', <code>broada</code> 'chin', <code>buhoača</code> Gsg 'Dalmatian pyrethrum', <code>pokoazat</code> 'show', <code>ploatit</code> 'pay', <code>proasca</code> Gsg 'pig', <code>dvuorù</code> (also <code>dvorù</code>) Lsg 'yard', <code>guospù</code> (also <code>gospù</code>) Asg 'Assumption of the Virgin Mary', <code>kuogòt</code> 'anyone', <code>muorù</code> (also <code>morù</code>) Lsg 'sea'. As one can expect on historical grounds, <code>pretonic oa</code> is quite common and <code>ie</code> and <code>uo</code> are relatively rare (resp. 10 and 4 different lexemes). The fact that in three out of four at-

¹⁰ Of course the lengthening before tautosyllabic resonants discussed in the preceding section has taken place in nonfinal syllables as well, e.g. *luônčić*, DIM of *lonàc* 'pan'; studiêncu 'well' Lsg, Studiênčić TOP (cf. studênac 'well' Nsg); moârča 'March' Gsg (cf. Nsg mârač); rîlčiće, DIM of rìlo 'snout'.

¹¹ Vermeer reports about Susak that 'i and 'u are not only shorter, but very often considerably lower than their short counterparts' (1975:143). I have also had the opportunity of hearing the dialect of Susak and I think that both dialects show the same tendency towards lowering of i and u, but in Susak the lowering seems stronger and less sporadic.

tested paradigms with pretonic *uo* monophthongs occurs along with diphthongs suggests that pretonic *uo* is gradually disappearing.

Examples of monophthongs in the first pretonic syllable: *imìt 'have'*, *letila kamìnje* 'stones (collective)', *hodìt* 'walk', *umìraju* PR3pl 'die'.

2.4. Other unstressed syllables

In other unstressed syllables than the first pretonic no trace of vowel length is left:

i		и
е		0
	а	

Diagram 4: other unstressed syllables

Examples: (pretonic) cimituôrij 'churchyard', očeperìli LPplm 'remove sheepticks from', zaškurìlo se 'become dark' LPn, osušìlo LPn 'dry', učinìt 'make'; (posttonic) zìkvi Lsg 'cradle', tìme 'crown (of head)', vartìla LPf 'turn', gorìlo LPn 'burn', dìcu Asg 'children (collective)'.

2.5. Problems with the length distinction on non-high vowels

The opposition between 'short' and 'long and monophthongal' on non-high vowels (i.e. $\hat{e} - \hat{e}$, $\hat{a} - \hat{a}$, $\hat{o} - \hat{o}$) in stressed nonfinal syllables (see 2.2) is not unproblematic. Numerous forms have been attested with doublet length and the number of forms that have been attested only short is very small. One could wonder if it would not be realistic to give up the idea of an opposition and assume not more than three non-high non-diphthongal vowels with free (or positionally motivated) variation in phonetic length. However, of the few forms that consistently have short \hat{e} , \hat{a} and \hat{o} (in spite of the Lengthening Rule) some have been attested relatively often and some agree with forms with unexpected shortness found in other dialects. I thought that this could hardly be a coincidence and therefore I chose to maintain the opposition in question in my description. I assume that the phonemes \hat{e} , \hat{a} and \hat{o} show variation in phonetic length (and can be realized long, half-long and even short) and that \hat{e} , \hat{a} and \hat{o} are realized only short. In phonological terms one can say that on \hat{e} , \hat{a} and \hat{o} the feature 'long' is optional or that there exists a 'one way opposition' (jednosmjerna opozicija, see Brozović 1968:27–33) between \hat{e} , \hat{a} and \hat{o} vs. \hat{e} , \hat{a} and \hat{o}

¹² This is in fact what Budovskaja and I proposed for Kali on Ugljan (1994:94).

2.6. Forms that do not show the results of the Lengthening Rule

Forms with \grave{e} , \grave{a} and \grave{o} in nonfinal syllables (see 2.2 and 2.5) do not show the expected results of the Lengthening Rule. We must assume that either the forms in question were exceptions to the Lengthening Rule, or shortness in these forms was restored after the operation of the Lengthening Rule. There is no proof in favour of either alternative (exceptions or restoration). In 3 below I arbitrarily chose the second alternative (restoration of shortness after the Lengthening Rule). It is not clear why exactly these forms do not show the expected length while almost all others do. Here is a list of forms in which the expected length is not found:¹³

- (1) (forms of) svàki 'each', svàkakove Nplf 'all kinds of';14
- (2) the superlative prefix nàj-;15
- (3) zabàjka 'certain garment';
- (4) the numerals 'seven' to 'ten': sèdan, òsan, dèvet, dèset;16
- (5) the present endings -èmo, -ète, -èju;¹⁷
- (6) the words *mèsto* 'place', *zèmlja* 'earth', *tèško* 'difficult', *mètla* 'broom', *pulètkovat* 'pick the grapes that were left during harvest';
- (7) present and LP forms of pòčnen 'start' PR1sg, pòčelo LPn; the words dòma 'at home', pòsli 'after', dòsta 'enough', šòldi Npl 'money' and the IMP forms hòmo 1pl and hòte 2pl 'go'. 18

3. Historical development of the vowels

As a point of departure for the reconstruction I assume the following earlier vowel system:

¹³ The list contains only forms that were attested at least three times, each time without doubt as to the shortness of the stressed vowel.

¹⁴ Shortness in the same words is found in Orlec.

¹⁵ Shortness in this prefix is generally found in the dialects on Cres-Lošinj north of Ćunski (see Houtzagers 1984-85:892).

¹⁶ The dialect of Susak also has shortness in sèdan and dèset (see Vermeer 1975:141).

¹⁷ Shortness in these endings is generally found in the dialects on Cres-Lošinj north of Ćùnski (see Houtzagers 1984–85:892). The dialect of Susak has shortness in *ćèmo* 'we shall' (see Vermeer 1975:141).

¹⁸ The dialect of Susak also has shortness in *pòčnen, dòma, pòsli* (see Vermeer 1975:141). The dialects on Cres–Lošinj north of Ćùnski also have shortness in the verb *pòšnet* (see Houtzagers 1984–85:892). Orlec has shortness in *hòmo* and *hòte*.

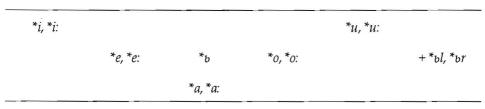


Diagram 5: earlier vowel system

Origin of the vowels in diagram 5: long and short *i < *jb, *i, $*\check{e};^{19}$ long and short *u < *u, *o, vocalic $l;^{20}$ long and short *e < *e, $*\check{e}$, *e; short *b < short *pi or and short *o < *o; short *b! < vocalic $l;^{21}$ short *br < vocalic $r;^{22}$ long and short *a < *a and long jer.

The present-day situation can be reconstructed from the system in diagram 5 when we assume five major changes:

- I. Lengthening of vowels (except *b) before tautosyllabic resonants;²³
- II. Diphthongization of long *e, *a, and *o;
- III. Loss of distinctive length in the first pretonic syllable;
- IV. * $b > a;^{24}$
- V. The Lengthening Rule: lengthening of short *e, *a and *o in stressed nonfinal syllables;
- VI. Restoration of shortness on part of the results of the Lengthening Rule (see 2.6);
- VII. Rise of the freedom with respect to phonetic length of the long monophthongs \hat{e} , \hat{o} and \hat{a} , leading to the somewhat blurred opposition between \hat{e} , \hat{a} , \hat{o} on the one hand and \hat{e} , \hat{o} and \hat{a} on the other in the present dialect (see 2.5).

 $^{^{19}}$ * \check{e} > *i or *e according to Jakubinskij's law, cf. 1; see also 4 below.

²⁰ The reflexes of vocalic l show some complications (see next note and 5 below).

²¹ As far as we can judge from the present reflexes, long vocalic l, if not reflected as long u, merged with short vocalic l into short *bl (see 5 below).

²² The reflexes of vocalic r show some complications. As far as we can judge from the present reflexes, long vocalic r merged with short vocalic r into short *br (see 6 below).

²³ Like in other Čakavian dialects there are also cases of lengthening in other closed syllables than before tautosyllabic resonants: bôšak 'wood', Gsg buôška; frâtar 'friar', Npl froâtri; lâčan 'hungry', Nplm loâčni; vêtar 'wind', Npl viêtri; ponêsal 'bring' LPm, parniêsli LPpl m; rêkal 'say' LPm, riêkla LPf. The lengthenings do not present a coherent picture. See also Houtzagers 1987: 69 and the references given there.

²⁴ Short * \mathfrak{b} is reflected e (not a) in \check{ce} 'what', $\check{ceg}\grave{ot}$ 'something'.

The ordering of these rules is relevant in the following cases:

- I before II and II before V: the results of I are diphthongized according to II
 while the results of V are not;
- II before III: we have diphthongs in the first pretonic syllable;
- II before IV: a from short jer is never reflected as a diphthong;
- IV before V: a from *b is subject to V in the same way as any other a;
- V before VI: this needs no explanation;
- V before VII: an explanation for VII could be the small functional load of the opposition è, à, ò vs. ê, ô, â after V and VI (if VI operated before VII), or the absence of that opposition after V (if VI operated after VII).

There are no traces of length in other unstressed syllables than the first pretonic, so that we can assume that there the loss of the length distinction took place before II. The loss of the tonal distinction can have taken place at any stage.

There have been no stress shifts, so that the place of the stress – as one can expect in a Čakavian dialect – is in principle the 'old' one, e.g. *gloavà* 'head', *rukà* 'hand'. Two exceptions that I found in my material are *dâska* 'board' and *dâržal* 'hold' LPm (cf. PR3pl *daržiju*).

4. Reflexes of jat

In 1 above it was already said that the dialect has an i/e-kavian reflex of jat according to Jakubinskij's law (see 1925: 381-382). This means that, in principle, the reflex is a mid front vowel (e, \hat{e} , \hat{e} or ie) before a 'hard dental' (d, t, z, s, n, r, l not followed by j or a front vowel) and a high front vowel (i, \hat{i} or \hat{i}) in other environments.²⁵

Within inflexional paradigms we usually do not find alternating reflexes of *jat*, but the reflex we expect in part of the forms is generalized throughout the paradigm, e.g. *rìzat* 'cut' after PR3sg *rìže*, Npl *besêde* 'word' after *besêda* Nsg, *biêle* Apl after non-attested 'biêl (short form masculine).²⁶

If words show a derivational relationship the picture is less clear. Sometimes the reflex of *jat* in a derived form is adopted from the word from which it is derived (*premèstit* after *mèsto*, *vresìna* 'certain shrub' P-A after *vriês*), sometimes not (from the

²⁵ An entirely different reflex is found in *gnězd- and *nědr- (see below).

²⁶ For an exception, see under *dě- below.

root *věd- we have povidàt 'tell' imperfective after *povî perfective PR3sg, but also neviêsta 'bride').²⁷

Even if we leave aside cases of analogy like those discussed in the last two paragraphs, the reflexes of *jat* in *i*/e-kavian dialects never fully agree with Jakubinskij's law. The picture is different for each dialect. Below I shall give a list of forms attested in Ćunski in which reflexes of *jat* are present, alphabetically ordered according to the root, prefix or suffix in which they were attested.

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*běg-
           bižàt 'run', bižî PR3sg, bìžalo LPn;
*běl-
           biêlo Nsgn 'white', biêla Nsgf, biêle Nplf; beljica 'certain variety
           of figs'; Beliêj TOP (I have assumed here that this toponym is
           derived from *běl-);
*bělěg-
          belèh 'earmark on sheep';
*besěd-
          besêda 'word';
*brěg-
          brìh<sup>28</sup> 'boundary between parcels of land', brîzi Npl;
*brěk-
          brìka 'certain kind of grass'; brìšnjak 'certain burry shrub';29
*brěmen- brînce 'load';
*cěd-
          cidìla 'stream' LPf, scîdi PR3sg;
*cěl-
          ciêli 'whole';
*cěn-
          ciênu 'cheap' (uninflected);
*cěv-
          cipàt 'graft', PR3sg cîpa;
*cěst-
          čèste Gsg 'road' (with initial č-, as in Orlec);
*crěkv-
          crìkva 'church', crìkvica DIM;
*cvět-
          cvietkì Npl 'flower';
*čověk-
          čovik 'human being';
*dě-
          nadit 'put (a thread into a needle)', nadêne PR3sg;30
*-dě
          drùgder 'elsewhere', kadè 'where', kadegòt 'wherever', nìgder
          'somewhere; nowhere', ondè 'there', ondêka 'there' (also undè,
          undêka), ovdè 'from here' (also uvdè), etc.;
*děl- (1)
          dîljnjica 'small piece of land'; diêli 'divide' PR3sg, razdilili
          LPplm;31
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²⁷ For more information on and more examples of reflexes of *jat* in i/e-kavian dialects see Belić 1909:184-187, Jakić-Cestarić 1957 and Vermeer 1984:278-279.

²⁸ This form has been attested only once. One would expect the root-vowel to be long (see also *mìh* and *snìh*).

²⁹ I have assumed here that these lexemes are related to *brekinja* (see Skok 1971–74-I:206), which is not necessarily true.

³⁰ Here we find different reflexes of *jat* within one paradigm.

³¹ Here the simplex and the compound verb show different reflexes of jat.

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*děl- (2) dêla 'work' PR3sg, dêlala LPf; dêlo 'work'; nedìlju Asg 'Sunday'; 
*dět- ditè 'child', ditêta Gsg; dicà 'children', dičìna P-A, dicìcina (diminutive-pejorative); dêčko 'young man';
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*děv- divuôjka 'girl';

*dvě dvî 'two (fem)', dvìh GL; dvîstô '200';

- *-ĕ (1) (in lexicalized case forms) gôre, gôreka 'above', dôle 'below', loâni 'last year', nûtri 'in, inside', pòsli 'afterwards', sometimes pòsle;
- *-ě (2) (productive case ending): crîkvi 'church' Dsg, živinì 'livestock' Dsg, butîgi 'shop' Lsg, gloavì 'head' Lsg, v lêti/letì 'in summer', menì 'I' D;
- *-ĕ(ti) bolìlo 'hurt' LPn; gorìla 'burn' LPf; imìt 'have', imìli LPplm; letit 'fly', letila LPf; otîl 'want' LPm, otili LPplm; sedìli 'sit' LPplm; umîn 'be able' PR1sg, umìla LPf; vartîl 'turn' LPm, vartìla LPf; vît 'see', vìdili LPplm, vìdilo LPn; živìt 'live', živìlo LPn;
- *ěd- (1) jìs(t) 'eat', jî PR3sg, jìmo PR1pl, jîl LPm, jîli LPplm, pojîda PR3sg;

*ěd-(2) jedìla se 'become angry'; jîdan 'angry';

*ědr- jìdro 'sail';

*-ěj- bogatìji 'rich'; siromašnìji 'poor' (both comparative Nsgm);

*gnězd- njoazlò;32

*klěšt- klìšća Npl 'tongs';

*kolěn- kolêno 'knee';

*kosěr- koserić 'kind of sickle'; koserâča 'kind of chopping-knife';

*kudělj- kudilja (spinning term);

*-lě dokle³³ 'until', doklegòt 'until', zdôkle 'from where', pôkle 'after (conjunction)';

*lěh- lihà 'strip of land'; Lìški TOP;

*lěk- likoâr 'doctor';

*lěn- liênčina 'lazy person';

*lěp- (1) lîpo 'beautiful' Nsgn;

*lěp- (2) prilipci Npl 'limpet';

*lět- lêto 'summer', letì 'in summer';

*lěv- lîva 'left' Nsgf;

*měh- mìh³4 'bag made of sheepskin';

³² The reflex of *jat* in this word is often *a* in *i/e*-kavian dialects (see Milčetić 1895:103, Jakić-Cestarić 1957:414, Houtzagers 1984–85:885 note 2, Budovskaja–Houtzagers 1994: 103). See also **njědr*- below.

³³ This form was attested only unstressed.

³⁴ This form was attested several times. One would expect the root-vowel to be long (see also *brìh* and *snìh*).

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*měn-
           preminit 'change clothes';
*měr-
           mêru 'weight' Asg;
*měsec-
           misec'month':
*měsi-
          umisit 'knead':
*měst- mèsto 'place', premèstit 'move', premešćivát;
*měša- mišàt 'mix':
*mlě-
          mlìt 'grind', mèlje PR3sg, mlìl LPm;
*mlěk-
           mlikò 'milk'; mlìst 'milk', pomlìs;
*mrě-
          umrît 'die';
*mrěž-
          mrìže Npl 'net';
*ně-
           with indefinite meaning: nìgdir/nìgder 'somewhere', nìč/nìš
           'something', nìkat 'sometimes', nìki 'somebody';
*njědr-
          v njoadra Apl '(put) under one's coat' (cf. *gnězd- above);
*orěh-
           orìh 'walnut';
*pě-
          pêteh 'cock';
*vlěv-
          plêve Npl 'chaff', plêvine P-A;
*prě-
          previše 'too much';
*prěd-
          noâpret/noâpreda 'forward' (also noâprit), sprit35/sprida 'in front
           (of)', sprîde 'in front'; prija 'earlier (than)';
*prěk-
          prîko 'over (prep./adv.);
*rěd-
          riêtko 'thin (not dense) Nsgn;
           riêpa; Podripišća TOP (assuming that this toponym is derived
*rěp-
          from *rěp-);
          rizat 'cut', riže PR3sg;
*rěz-
*sě-
          sijat 'sow', sije PR3sg;
*sěd-
          posiês se 'sit down'; sedili 'sit' LPplm; susêdi 'neighbour' Npl;
*sěk-
          sìć 'cut', sičè PR3sg, sìkli LPplm; sikìra 'axe';
*sěmen-
          sime 'seed';
*sěmo
          simo 'hither';
*sěn-
          pôcin 'shadow';
*sěrk-
          siràk 'sorghum';
*slěp-
          slîp 'blind';
*smě-
          smìlo se LPn 'be allowed';
*směh-
          smijat se 'laugh', smijali se LPplm;
*smrěk-
          smrìka 'juniper; smrìška 'juniper-berry';
*sněg-
          snìh36 'snow';
*srěd-
          nasrèt 'in the middle (of)';
*srět-
          srićno Nsgn 'happy';
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³⁵ This form was attested only unstressed.

³⁶ This form was attested twice. One would expect the root-vowel to be long (see also *brìh* and *mìh*).

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*stěn-
          stiên 'cliff' Gpl, stenina P-A;
           svît 'world', svetinu Lsg P-A; svitlo Nsg 'light';
*svět-
*světj-
           svićè 'candle' Npl, svićìca DIM, svićìne Npl P-A;
*těmen-
           time 'crown';
*těr-
          stirat 'chase away';
*těst-
           tiêsto 'dough';
*trěb-
           potriba Nsg 'lack'; trêbala LPf 'need';
*věd-
          povît 'tell'; povidàt 'tell'; neviêsta 'bride';
*věi-
          vijat 'winnow';
*věk-
           vâvik 'always', odvâvik 'from times immemorial';
*věr-
           vêra 'faith'; vêruje PR3sg 'believe';
*věs-
          obisit 'hang';
*vět-
          zoavèt 'testament';
*větr-
          vêtar 'wind';
*vrěć-
          vrìću Asg 'bag';
          vriêdi PR3sg 'be worth';
*vrěd-
*vrěmen- vrime/vrime 'time', vrimena Gsg;
          vriês 'certain tree or shrub', vresìna;
*vrěs-
*vrěten- vretenò 'spindle';
*zrěl-
          zrìjat 'ripen';
*zvěr-
          zvirje 'animals (collective)';
*zvězd- zvezdà 'star', zviezdì Lsg, zviêzde Npl;
*želěz-
          zelêzo 'iron' (with initial z-, see also 7 below).
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The dialect form that corresponds with the standard Croatian verb liti is polit 'pour', PR3sg polije, imperfective polivàt (cf. Orlec polét, polejè, polevàt). Standard Croatian obući 'dress' is oblîć (cf. Orlec obléć). The frequentative suffix is -iva-: veživàt 'tie', bruštulivàt 'roast', sekîva PR3sg 'bother', parićîva PR3sg 'prepare' (cf. Orlec veževàt, etc.).

As in many other Čakavian dialects *e is reflected i in vičeràs 'this evening', vičêru Asg 'dinner', vičêramo PR1pl 'have dinner'. The word for 'bed' is postilja, Asg pustilju, cf. pustéja in Orlec. Original *e is reflected i/e in kaminje/kamênje (cf. Orlec kaménje) 'stones (collective)'; the latter Ćunski variant is less frequent.

The form for 'quickly' presented by Skok under 'list' (1971-74 II: 308) is $l \approx 50$ (cf. Orlec $l \approx 50$).

There are a number of Italian loanwords which have an *i*-like vowel in Ćunski and an *e*-like vowel in Orlec: *bandîra* 'flag', *butîga* 'shop', *diciêmbar* 'December', *diferiênto* 'different' Nsgn, *dižgrâciju* Asg 'handicap', *mulìta* 'grill' (cf. Orlec *bandêricu* Asg, *butêga*, *decémber/dicémber*, *deferénca/diferénca*, *dežgrâcija*, *muléta*). Compare also Ćunski *tarîlj* 'plate' and Orlec *taréj*.

5. Reflexes of vocalic *1

Vocalic */ is mostly reflected as u/ù/û: dûga 'debt' Gsg, mučàt 'be silent', pûn 'full', napùnit 'fill', stûp 'tree', sùze 'tear' Npl, sûnce 'sun', tûsto 'fat' Nsgn, žûč 'bile', žûti 'yellow'.

In a minority of the cases vocalic */ first changed into *bl and is reflected in the present-day dialect as al: balhà 'flea', galbôka 'deep' Nsgf (cf. Skok 1971-74 I: 451), Halmàc TOP, jàbalka 'apple'. In all attested instances where the relevant vowel is stressed, it is long (âl), either because of the Lengthening Rule or because of its position before -C# (where C stands for one or more consonants and # is the word-boundary, see the last paragraph of 2.1 above): dâlgo 'far', Kâlku Lsg TOP, obâlkal 'dress' LPm, vâlna 'wool'; pâlt 'complexion', pâlš 'snail', bâlh Gpl 'flea'.

One would perhaps expect originally long vocalic ${}^*\bar{I}$ – when it is not reflected as \hat{u} – to appear as **oâl (reflex of long jer + l). However, such reflexes are not found. We must assume that long vocalic \bar{I} , if not reflected as long u, merged with short vocalic I into short *bl.

6. Reflexes of vocalic *r

Vocalic *f is consistently reflected as ar. In all attested instances where the relevant vowel is stressed, it is long (âr), either because of the Lengthening Rule or because of its position before -C# (where C is a consonant and # is the word-boundary, see the last paragraph of 2.1 above). Examples: darvò 'piece of fire-wood', tarbùh 'belly', dârva Npl, gârlo 'throat', umârlo 'die' LPn, čârf 'worm', dârf Gpl, pârst 'finger'.

The same that was said about vocalic l in 5 above can be said here: one would expect long vocalic r to be reflected as **oâr, but this is not the case. We must assume that long vocalic r merged with short vocalic r into short *br.

For the well-attested paradigm of $p\hat{a}roi$ 'first' my material contains many occurrences with phonetically short [a], and there are also numerous attestions with a schwa- or e-like vowel. I tentatively assume that what we hear in such attestions is an interconsonantal r, which in a restricted number of words can occur along with ar.

Comparison of *markodlâci* Npl 'malignant sorcerer', *parniês* 'bring', *šûmpar* 'sulphur', Gsg *šûmpara*, with the corresponding words in the dialect of Orlec suggests

that we must derive present-day ar from *br. In Orlec short and unstressed *b > e; the corresponding Orlec words are merkodlàk, pernést, súnfer, Isg súnferon).^{37,38}

7. The consonants

The dialect has the following consonant phonemes: p, b, v, f, t, d, z, s, c, \acute{c} , \check{c} , \check{s} , k, g, h, m, n, j, l, r.

The palatal stop \acute{c} is distinct from the sequence tj, which, in my material, is present only in $netj\^{o}ak$ 'nephew' and $netj\^{a}k\`{n}j\^{a}$ 'niece'.

The dialect is not 'Cakavian', i.e. there is no neutralization of the opposition palatal – dental. There are some words, however, in which Ćunski s and z correspond to Orlec š and ž, respectively: rùzina 'rust', rùzavo 'rusty' Nsgn, skùla 'school', skrìnjina 'trunk' P-A, skôrup 'skin (om milk)', zmôrac 'north', zelêzo (Orlec rùzina, rùzinavo Nsgn, škùla, (r)iškrìnja, škórup, Žmórec TOP, želéžo (sic)).

In Orlec, s and z optionally become palatal when followed by a palatal fricative or affricate within the same word and not separated from it by more than one vowel, e.g. súša/šúša 'drought', znâš/žnâš 'know' PR2sg, sečėmo/šečèmo 'cut' PR1pl (see Houtzagers 1985:28). This is probably also the case in Ćunski. My material contains the following examples: žašijeno 'sew together' PPNsgn, šušit 'dry', došêžete 'reach' PR2pl (cf. INF dosiêć), šičè 'cut' PR3sg (cf. PR3pl posikû), poslùšaju/pošlùšaj 'listen' PR3pl/IMP2sg, smrìške/šmrìške 'juniper berry' Npl, strižè/oštrìženo 'cut' PR3sg/PPNsgn, Sûţčani/Šûţćani 'inhabitant of Susak' Npl.

Like in Orlec, s and z became palatal in šešnâjs 'sixteen' and šeždesiêt 'sixty' (Orlec šešnájs, šeždesêt).

Distinctively voiced consonants are devoiced in word-final position, e.g. bobà 'broad bean' Gsg, bòp Nsg; darvò 'piece of firewood', dârf Gpl; griêde 'beam' Npl, griêt Gpl; obrâzu 'face' Lsg, obràs Nsg; pâlži 'snail' Npl, pâlš Nsg. The final dental of pod 'under' was attested voiceless before vowels in pot Itoâliju 'under Italy' and pot Àustriju 'under Austria' (i.e. in the days of Italian/Austrian rule). Word-internal v is

³⁷ The declined forms of $\tilde{s}\hat{u}mpar/s\hat{u}nfer$ are given in order to distinguish this word from loans with a fleeting vowel like $fr\hat{a}tar$ friar', Npl $fr\hat{a}tri$, Orlec $fr\hat{a}ter$, Npl $fr\hat{a}tri$ (in which the fleeting vowel is always equal to the reflex of $*_b$).

³⁸ The case of <code>zermoāni/zarmoāni</code> 'relative' Npl (not attested in Orlec) is less clear. Perhaps there was a doublet <code>*br/er</code>. Even more mysterious are <code>voājer</code> 'up, into the air', <code>kùšćer</code> 'lizard', Orlec <code>vājar</code>, <code>kùšćar/kùšćer</code>, where the situation is the reverse from what one would expect. The form <code>naprimar</code> 'for instance' (one attestation) could be a slip of the tongue.

not always devoiced before voiceless obstruents: in *lòvci* 'hunter', *udovcì* 'widower' and *ôvce* 'sheep' (all Npl) it was attested voiced (the latter form was also attested with voiceless f).

Palatalized *l* (in my notation *lj*) did not change into *j*: *ljûdi* 'people' Npl, *tarîlj* 'plate', *tareljîći* 'plate' DIM Npl, *škuôlj* 'island', *škùlja* 'hole' (cf. Orlec *jûdi*, *tarej*, *tarejîć*, *škój*, *škùja*). It is also present in the comparative/superlative forms *bàšlje* 'low' Nsgn, *nàjvišlja* 'high' Nsgf (cf. Orlec *baséji* Nsgn, *nájviše* Nsgn), and in *beljîca* 'certain variety of figs', *baršljoân* 'ivy', *baršljînci* 'certain kind of grass', *gljîste* Npl 'worm', *dîmljak* 'chimney', *sloâmljicu* 'straw mattress' Asg (cf. Orlec *belîca*, *beršján*, *gjîst* (no parallels for the last two words)).

Epenthetic -lj- was attested in zimlje 'take' PR3sg, najimlju 'take over' PR3pl, blagoslôvljenu 'bless' PPAsgf (cf. Orlec zîmje, blagoslôvljeni Nsg m).

Palatalized n (in my notation nj) is present after initial g- in $gnj\hat{u}lo$ 'rotten' Nsgn and $gnju\hat{o}j$ 'dung'.

Original *dj is reflected j: rôjeno 'born' Nsg n, zagrajivâli LPplm 'fence in', sâjeno 'plant' PPNsgn, sajivàt 'plant', hùje comparative Nsgn from hûdi 'bad'.

Initial and word-internal *g* is realized either as a stop (the majority of cases) or as a fricative. Word-internal *g* alternates with word-final *h*, e.g. *vrâga* 'devil' Gsg, *vrâh* Nsg. In *povâča* 'cake' we find *-v*- instead of expected *-g*-. Prothetic *g*- was once attested in *goârija* 'air' and once in *guôrgan* 'pulley (for tackling boats out of the water)', along with *oârija*, *uôrgan*.

After g and k the realization of v can be bilabial. Such realizations were heard in crìkva 'church' and its diminutive crìkvica, kvâdri 'square', smokvìna 'fig', zìkvi Lsg 'cradle', smôkve Npl 'fig', gviêra 'war'.

In fcà Gsg from pàs 'dog', fcìć DIM, fcìna P-A and ftìć 'bird' DIM, original *p became fricative before a stop. In prilìpci Npl 'limpet' it did not. In čêle 'bee' Npl it was dropped altogether.

Before initial *i-* we very often hear prothetic *j-*, e.g. *jìgre* 'play', Gsg *jìme* 'name', *jìma* 'have' PR3sg, *jimî*l LPm, *jiskàt* 'look for', *jîstina* 'truth' (cf. without *j-*, also from Ćunski: *ìglu* 'needle' Asg, *ìme*, *ìma*, *imîl*, *iskâla* LPf, *ìsto* 'same' Nsgn).

Initial sv- in svàka 'each' Nsgf, svàkakove 'all kinds of' Nplf and the declined forms of 'vàs 'all, whole' (e.g. svà Nsgf, svì Nplm, Svi Sviêti 'All Saints') is not simplified to s- (as it optionally is in Orlec).

I have not yet systematically studied the external sandhi phenomena of the dialect, but the few notes that I took about the subject remind of the situation in Orlect drop of the occlusive element in *otàs taljoânski* father-Italian Nsgm, *o skùte* 'from *skuta* (substance from which whey-butter is made)' and *vej ne znoâmo* 'we don't remember' (instead of *otàc*, *ot* and *već*) (see Houtzagers 1985:37–39 under rules 1 and 9).

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O fonologiji čakavskoga dijalekta mjesta Ćunski na otoku Lošinju Sažetak

Članak se bavi fonologijom središnjega čakavskoga dijalekta sa sinkronijskoga i dijakronijskoga stanovišta, a za temelj članka poslužila je autorova građa s terenskoga istraživanja. Prvo se prikazuje sinkronijska analiza samoglasničkoga sustava (također s akcentuacijom), zatim se predlaže rekonstrukcija u obliku niza pravila koja vode od mlađega dijalekatnoga praslavenskoga do današnjega stanja. Posebna se pažnja posvećuje odrazima jata. Članak završava napomenama u vezi s razvojem suglasničkoga sustava.

Ključne riječi: hrvatska dijalektologija, čakavski, slavenska povijesna dijalektologija, fonologija, akcentologija

Key words: Croatian dialectology, Čakavian, Slavic historical dialectology, phonology, accentology