

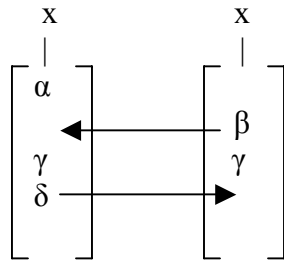
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## Fake palatalizations

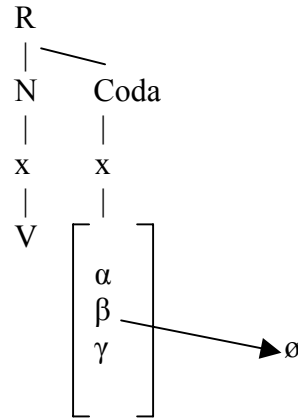
- (1) Somali: Bendjaballah (1999)  
{g,q} --> j (=tʃ) / \_\_\_i<sub>causative</sub>  
/joog/ + /i/ <sub>infinitive</sub> --> [joogi] waan joogi doonaa "I will be present"  
/joog/ + /i/ <sub>causative</sub> --> [jooji] waan joojiyay "I stopped (it)"
- (2) roadmap  
the processes that are usually referred to as "palatalizations" in fact fall into three categories: real, fake and mixed.
- a. real: exchange of primes, syllable structure irrelevant.  
ex.: German /χ/ --> [ç] / V<sub>front</sub>\_\_  
Weiche (V\_\_V), ich (V\_\_#), wichtig (V\_\_C) etc.
  - b. fake: no exchange of primes, entirely driven by syllable structure.  
Lat *rabia* > ra**ʒ**, cf. below
  - c. mixed: exchange of primes triggered by syllable structure.  
Prediction: in this case, the exchange of primes is always a secondary consequence of syllable structure. The reverse situation does not occur.  
*vinea* > **vijnə** *vigne*
    - 1. loss of [n] in Coda
    - 2. gemination of j
    - 3. N docks on jj } syllabic processes  
segmental process/ exchange of primes
- |             |    |             |
|-------------|----|-------------|
| O N O N O N | => | O N O N O N |
|             |    |             |
| v i n j ə   |    | v i J ə     |
| ↘           |    | ↖ ↗         |

N
- d. Phonology is called to properly differentiate between the two kinds of processes involved.
  - e. in the case of the evolution of latin *Ci/e* > *Cj* in Gallo-Romance, the Maximal Cluster approach to syllable structure makes the wrong prediction of homosyllabicity, while CVCV derives heterosyllabic clusters.
- (3) UP vs. DOWN e.g. Schein & Steriade (1986), Scheer (2000)
- a. DOWN = processes due to adjacency whereby phonological primes are delinked/ spread/ merge with other primes.  
==> trigger below the skeleton
  - b. UP = processes driven by syllable structure. Consequences of syntagmatic relations between syllabic constituents (e.g. lenition).  
==> trigger above the skeleton

c. DOWN



UP



(4) Vulgar Latin [VL]: consonification of short (non-low) vowel in hiatus<sup>1</sup>

- |  |   |
|--|---|
| a. {i, e} -> j / __ V                      | b. {u, o} -> w / __ V   |
| <u>f</u> ilia > <u>f</u> ilja <i>fille</i> | <u>vi</u> dua > <u>w</u> edwa <i>veuve</i>                          |
| <u>vi</u> nea > <u>w</u> inja <i>vigne</i> | <u>co</u> agula <u>re</u> > <u>k</u> wagla <u>re</u> <i>cailler</i> |

- (5) a. Lat. filia = 3 syll., VL. filja = 2 syll.  
 b. Cw/j clusters  
 c. no original Cj/w preserved: Cj = « palatalizations »  
 > mod. French [j], [z], [s], [ʒ], [ʃ], [ɲ], ([L])  
 (+j metathesis / fusion with the preceding vowel ratjoone > [ʁɛzø])

(6) evolution of Cj:

- a. classical view: all processes depend on segmental characteristics of C  
 b. our claim:  
 - there is just one (fundamentally) *syllabic* process  
 - segmental properties are secondary and *never* the cause of the process

(7) Labials {p, b, m, v} + yod

<b>bj</b> > <b>d̄ʒ</b> (>ʒ)	<b>vj</b> > <b>d̄ʒ</b> (>ʒ)	<b>mj</b> > <b>nd̄ʒ</b> (> ~ʒ)	<b>pç</b> > <b>tʃ</b> (>ʃ)
<u>r</u> abia <i>rage</i>	<u>c</u> avea <i>cage</i>	<u>vi</u> nd <u>e</u> mia <i>vendange</i>	<u>a</u> piu <i>ache</i>
<u>r</u> ubeu <i>rouge</i>	<u>l</u> eviu <i>liège</i>	<u>s</u> iimiu <i>singe</i>	<u>s</u> apiam <i>sache</i>
<u>g</u> oobio <u>one</u> <i>goujon</i>	<u>a</u> bbrevia <u>re</u> <i>abrégér</i>	* <u>b</u> last <u>e</u> mia	OFr. <i>blastenge</i> <u>s</u> epia <i>seiche</i>

(8) classical interpretation<sup>2</sup>: strengthening of j

- a. j > d̄ʒ / # \_\_  

<u>j</u> aceere	<u>g</u> ésir	<u>j</u> ocu	<u>j</u> eu
<u>j</u> ugu	<u>j</u> oug	<u>j</u> ee <u>j</u> uunu	<u>j</u> euu

 b. initial + postconsonantal: homogeneous result and strength = 'strong' vs. 'weak' positions<sup>3</sup>

<sup>1</sup> Transcription: Latin spelling (<c> = [k], <v> = [w], <ph> = [f]). Vowel length is indicated by repeating the vocalic symbol; the stressed vowel is underscored. [ts], [dz] = coronal affricates (voiceless, voiced); [ɲ], [L] = nasal and lateral palatals. Other symbols = IPA.

<sup>2</sup> Pope (1952: §203); La Chaussée (1974: 79); Carton (1974: 162); Zink (1986: 101); Jacobs (1993: 149). Bourciez (1967: §171 « y consonnifié »).

<sup>3</sup> Bourciez, 1967: §109; Pope, 1952: §202, etc.

c. Labial > ∅ in Coda position:

**b** > ∅                      **v** > ∅                      **p** > ∅                      **m** > ~∅  
 cub(i)tu    coude    naav(i)gaare    nager    rupta    route    gamba    jambe

d. => [Labial + yod]

i. strengthening of j in strong position (j >  $\overline{d_3}$ )

ii. weakening of the labial in Codas ({p, b, v} > ∅, m > ~∅)

e. this is a correct analysis.

(9) postconsonantal C<sub>2</sub> in strong position iff C<sub>1</sub>C<sub>2</sub> is a *heterosyllabic* cluster.

(10) C<sub>1</sub>C<sub>2</sub>: two cases

i. heterosyllabic

ii. homosyllabic « Branching Onset »: strengthening of C<sub>2</sub> never occurs.

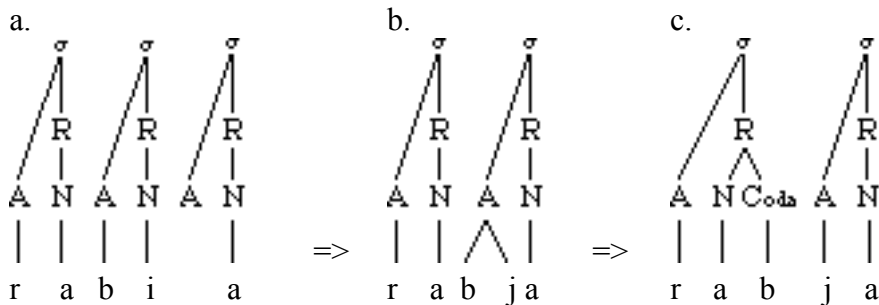
(11) C<sub>j</sub> = *a priori* homosyllabic

a. classical

b. all algorithm-based syllabic theories involving "Onset Maximalization"

(Kahn, 1976) 'Ambisyllabicity', 'Coda capture'<sup>4</sup>

(12) labials: classical scenario



(13) that is, the processes crucially depend on the segmental nature of C:

a. C = cor. / vel.: 'palatalization' of C = fusion of C and j (different degrees thereof)

b. C = lab.: no palatalization possible<sup>5</sup> => re-syllabification => strengthening of j

<sup>4</sup> See Harris (to appear) for a ravaging critic of such a conception of syllabicity.

<sup>5</sup> Bourciez, 1967: §171; Pope, 1952: §305; La Chaussée, 1974: 79; Fouché, 1969: 925.

- (14) Consonants from Latin to French: Scheer & Ségéral 2001, to appear  
a. examples

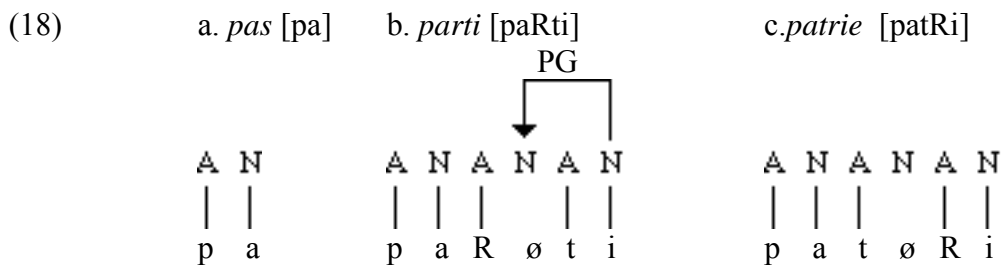
	STRONG positions				WEAK positions			
	initial		postconsonantal		Coda		intervocalic	
	a. #	b. C.		c. .C	d. #	e. V V		
p	<u>p</u> orta <i>porte</i>	<u>t</u> alpa <i>taupe</i>	<u>r</u> upta <i>route</i>	<u>l</u> up(u) <i>leu</i>	*sap <u>u</u> utu <i>su</i>			
b	<u>b</u> ene <i>bien</i>	<u>h</u> erba <i>herbe</i>	<u>c</u> ub(i)tu <i>coude</i>	*cap(u) <i>chef</i>	ri <u>p</u> a <i>rive</i>			
t	<u>t</u> eela <i>toile</i>	<u>c</u> antare <i>chanter</i>	<u>pl</u> at(a)nu    OFr. <i>plane</i>	<u>m</u> ariit(u) <i>mari</i>	vi <u>i</u> ta <i>vie</i>			
d	<u>d</u> ente <i>dent</i>	<u>ard</u> oore <i>ardeur</i>	<u>ad</u> veniire <i>avenir</i>	<u>n</u> uud(u) <i>nu</i>	<u>c</u> oda <i>queue</i>			
k	<u>c</u> or <i>cœur</i>	<u>ran</u> coore <i>rancœur</i>	<u>fact</u> a <i>faite</i>	<u>ami</u> ic(u) <i>ami</i>	lact <u>u</u> ca <i>laitue</i>			
	<u>c</u> era <i>cire</i>	<u>mer</u> ceede <i>merci</i>			lice <u>r</u> e <i>loisir</i>			
	* <u>c</u> apu <i>chef</i>	<u>ar</u> ca <i>arche</i>			paaca <u>r</u> e <i>payer</i>			
g	<u>g</u> ula <i>gueule</i>	<u>ang</u> ustia <i>angoisse</i>	<u>rig</u> (i)da <i>roide</i>		*ag <u>u</u> stu <i>août</i>			
	<u>g</u> ente <i>gent</i>	<u>arg</u> entu <i>argent</i>	<u>s</u> agma <i>somme</i>		flag <u>e</u> llu    OFr. <i>flaiel</i>			
	<u>g</u> amba <i>jambe</i>	<u>vir</u> ga <i>verge</i>			paaga <u>u</u> nu <i>païen</i>			
f	<u>f</u> ame <i>faim</i>	<u>in</u> fernu <i>enfer</i>	<u>st</u> eph(a)nu <i>Etienne</i>		deefor <u>i</u> is <i>dehors</i>			
s	<u>s</u> orte <i>sort</i>	<u>vers</u> aare <i>verser</i>	<u>mus</u> ca <i>mouche</i>	<u>n</u> oos <i>nous</i>	<u>ca</u> usa <i>chose</i>			
r	<u>r</u> eege <i>roi</i>	<u>ter</u> ra <i>terre</i>	<u>bar</u> ba <i>barbe</i>	<u>c</u> or <i>cœur</i>	<u>pir</u> a <i>poire</i>			
		<u>cam</u> (e)ra <i>chambre</i>		<u>ama</u> ar(e) <i>aimer</i>				
l	<u>l</u> uuna <i>lune</i>	<u>mer</u> (u)la <i>merle</i>	<u>al</u> ba <i>aube</i>	<u>sa</u> al <i>sel</i>	<u>ve</u> ela <i>voile</i>			
		<u>cum</u> (u)lu <i>comble</i>		<u>cu</u> ul(u) <i>cul</i>				
m	<u>m</u> are <i>mer</i>	<u>ar</u> ma <i>arme</i>	<u>g</u> amba <i>jambe</i>	<u>fam</u> (e) <i>faim</i>	<u>ama</u> are <i>aimer</i>			
n	<u>n</u> aasu <i>nez</i>	<u>corn</u> u <i>corne</i>	<u>canta</u> are <i>chanter</i>	<u>n</u> oon <i>non</i>	<u>lu</u> una <i>lune</i>			
v	<u>v</u> iinu <i>vin</i>	<u>mal</u> va <i>mauve</i>	<u>naav</u> (i)gaare <i>nager</i>	<u>bov</u> (e) <i>bœuf</i>	<u>lava</u> are <i>laver</i>			
					paavo <u>o</u> ne <i>paon</i>			
w	<u>w</u> erra <i>guerre</i>	*skarwahta <i>échauguette</i>			* <u>c</u> awa    OFr. <i>choue</i>			
j	<u>j</u> ocu <i>jeu</i>	<u>rab</u> ja <i>rage</i>		<u>maaj</u> (u) <i>mai</i>	<u>ra</u> ja <i>raie</i>			

- b. summary (in bold, integrity or strengthening; in light, weakening)

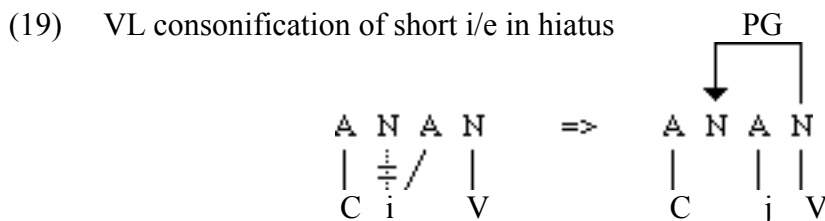
	strong positions		weak positions		
	a. #	b. C.	c. .C	d. #	e. V V
p	<b>p</b>	<b>p</b>	ø	ø / f	ø / v
b	<b>b</b>	<b>b</b>	ø	ø / f	ø / v
t	<b>t</b>	<b>t</b>	ø	ø	ø
d	<b>d</b>	<b>d</b>	ø	ø	ø
k	<b>k / s / ʃ</b>	<b>k / s / ʃ</b>	I	I	ø / <sup>l</sup> z / j
g	<b>g / ʒ</b>	<b>g / ʒ</b>	I / U		ø / j
f	<b>f</b>	<b>f</b>	ø		ø
s	<b>s</b>	<b>s</b>	ø	ø	z
r	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b> / ø	<b>r</b>
		<b>EPENTH.</b>			
l	<b>l</b>	<b>l</b>	U	<b>l</b> / ø	<b>l</b>
		<b>EPENTH.</b>			
m	<b>m</b>	<b>m</b>	~ ø	~ ø	<b>m</b>
n	<b>n</b>	<b>n</b>	~ ø	~ ø	<b>n</b>
v	<b>v</b>	<b>v</b>	ø	f	ø / v
w	<b>g</b>	<b>g</b>			U
y	<b>ʒ</b>	<b>ʒ</b>		I	I

- c. syllabic process + phonetic effects: same pattern, e. g. {k, g} / \_ {i, e}
- strong position > (k, g, s, ʃ, ʒ)
  - weak position > (ø, I, U, j, <sup>l</sup>z)
- d. =>
- the fate of a C crucially depends on its position in the syllabic structure
  - = no phonetic process can modify the syllabic structure

- (15) => the strong position of j in [labial + yod] clusters cannot be due to the 'impalatalizability' of labials; the theory of the « shift of the syllabic boundary » is unacceptable.
- (16) general claim: in any Cj cluster created by the consonification of short i/e in hiatus, j is in (heterosyllabic) postconsonantal position (= any Cj cluster is like a [labial + yod] cluster).
- (17) strict CVCV syllable structure (Government Phonology)<sup>6</sup>
- syllabic level : monotonous alternation of Onsets (O) and Nuclei (N), both simple (*i. e.* non-branching) : ONON... (or 'CVCV...')
  - 'Proper Government' (*infra* PG) : leftward syntagmatic relation holding between nuclear positions. A Nucleus which is properly governed by the Nucleus on its righthand side may remain empty. Only filled Nuclei are governors (18)b.
  - a consonant C<sub>1</sub> may govern another consonant C<sub>2</sub> iff C<sub>1</sub> is more complex than C<sub>2</sub> and licenced by its Nucleus. This relation is responsible for 'TR clusters', typically [obstruent + liquid]: tr, br, pl, kl, etc., i.e. "branching Onsets" (Scheer, 1999).  
Nota : the empty Nucleus which is straddled by the consonants in thoses clusters is not properly governed.
  - ECP: empty Nuclei that are either struck by PG or enclosed within a domain of consonantal interaction may remain phonetically unexpressed.



Nota : C in Coda = C preceding a properly governed empty Nucleus (18)b.



=> in a 'CVCV' framework the result is *a priori* heterosyllabic (as opposed to (11)a,b)

- (20) if all Cj clusters are heterosyllabic (*cf.* (16)), then
- j is in strong position
  - we expect strengthening, as observed in cases of initial j and j after labial

<sup>6</sup> For details, see Lowenstamm, 1996; Scheer, 1996, 1999; Scheer & Ségéral, to appear.

## (21) survey

	a. metathesis	b. ?	c. strengthening
<b>pj</b> V_ C_		<b>j</b> sapio OFr. <i>sai</i>	$\overline{tj}$ seepia <i>seiche</i> $\overline{tj}$ *krippja <i>crèche</i>
<b>bj</b> V_ C_		<b>j</b> habeo <i>ai</i>	$\overline{d3}$ rubeu <i>rouge</i> $\overline{d3}$ *lumbea <i>longe</i>
<b>mj</b> V_ C_			$\sim\overline{d3}$ siimiu <i>singe</i> $\sim\overline{d3}$ commeaatu <i>congé</i>
<b>vj</b> V_ C_		<b>j</b> *aviolu <i>aïeul</i>	$\overline{d3}$ leviu <i>liège</i> $\overline{d3}$ serviente <i>sergent</i>
<b>tj</b> V_ C_	<sup>1</sup> <b>dz</b> ratioone <i>raison</i>	<b>ts</b> cantioone <i>chanson</i>	$\overline{tj}$ porti(c)u <i>porche</i>
<b>dj</b> V_ C_		<b>j</b> modiolu OFr. <i>moiel</i> $\overline{d3}$ hordeu <i>orge</i>	$\overline{d3}$ *wadiu <i>gage</i>
<b>kj</b> V_ C_		<b>ts</b> glacia <i>glace</i> <b>ts</b> arcioone <i>arçon</i>	$\overline{tj}$ *ankja <i>anche</i>
<b>gj</b> V_ C_		<b>j</b> regioone OFr. <i>roion</i> $\overline{d3}$ Georgiu <i>Georges</i>	
<b>sj</b> V_ C_	<sup>1</sup> <b>z</b> baasiaare <i>baiser</i> <sup>1</sup> <b>s</b> *bassiaare <i>baisser</i>		
<b>nj</b> V_ C_		<b>ñ</b> viinea <i>vigne</i> <b>ñ</b> hernia OFr. <i>hergne</i>	$\sim\overline{d3}$ liineu <i>linge</i>
<b>rj</b> V_ C_	<sup>1</sup> <b>r</b> paria <i>paire</i>		$\overline{d3}$ *sturione <i>esturgeon</i> $\overline{d3}$ *burrione <i>bourgeon</i>
<b>lj</b> V_		<b>L</b> palea <i>paille</i>	

## (22) strengthening (21)c:

a. uniform result:  $\overline{d3}$  /  $\overline{tj}$ b. not only after labials<sup>7</sup>

<b>dj</b> > $\overline{d3}$		<b>nj</b> > $\overline{d3}$		<b>rj</b> > $\overline{d3}$	
i. *wadiu	<i>gage</i>	liineu	<i>linge</i>	*sturione	<i>esturgeon</i>
		extraaneu	<i>étrange</i>	ceereu	OFr. <i>cerge</i>
		laaneu	<i>lange</i>	sorooriu	OFr. <i>serorge</i>
		*fanja	<i>fange</i>	*camoria	OFr. <i>chamorge</i>
		*mentioonia	<i>mensonge</i>		
ii. *sedi(c)u	<i>siège</i>	Catalauni(c)u	<i>Chalonge</i>	baleaari(c)u	OFr. <i>baillarge</i>
*pedi(c)u	<i>piège</i>	Santoni(c)u	<i>Saintonge</i>	cleeri(c)u	OFr. <i>clerge</i>
medi(c)u	OFr. <i>miege</i>	mani(c)u	OFr. <i>mange</i>		
iii. herbaati(c)u	<i>herbage</i>				
ultraati(c)u	<i>outrage</i>				
villaati(c)u	<i>village</i>				
haereti(c)u	OFr. <i>eriege</i>				

<sup>7</sup> For g, perhaps *Gages* < \*gahagja, *Vaiges* < \*wagja, *Bruges* < \*brugja / bruggja (Fouché, 1969: 936).

c.  $C_1C_2j > C_{ij} =>$

i.  $rj > \overline{d\zeta}$

r[r]j \*bur[r]ioone *bourgeon*  
 r[b/v]j ser[v]iente *sergent*  
 \*cer[v]ia OFr.cerge  
 \*conser[v]iu OFr.concerge  
 super[b]ia OFr.soverge  
 r[d]j hor[d]eu *orge*  
 vir(i)[d]iaariu *verger*

r[t]j por[t]i(c)u *porche*  
 Per[t]i(c)u *Perche*

ii.  $lj > \overline{d\zeta}$

l[v]j al[v]eu *auge*  
 sal[v]ia *sauge*

iii.  $mj > \overline{d\zeta}$

m[n]j som[n]iaare *songer*  
 som[n]iu *songe*  
 \*dom(i)[n]ioone *donjon*  
 \*dom(i)[n]iaariu *danger*  
 m[b]j \*lum[b]ea *longe*  
 cam[b]iaare *changer*

iv.  $nj > \overline{d\zeta} / \overline{t\zeta}$

n[t]j Aven[t]i(c)u *Avenche*  
 n[d]j in[d]eusque OFr.enjosque  
 n[k]j \*an[k]ja *anche*  
 n[g]j spon[g]ia *éponge*

v.  $sj > \overline{t\zeta}$

s[t]j foras[t]i(c)u OFr.forasche  
 domes[t]i(c)u OFr.domesche

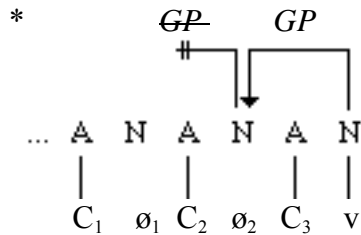
(23)  $Cdj > C_j$

a.  
 vereecun[d]ia *vergogne*  
 \*retun[d]iaare *rogner*  
 Burgun[d]ia *Bourgogne*  
 Compen[d]ia *Compiègne*

b.  
 som[n]iaare *songer*  
 som[n]iu *songe*  
 \*dom(i)[n]ioone *donjon*

(24) internal \*CCC

a. prediction \*



b. Gallo-Romance: regular<sup>8</sup>

-lbn-	gal[b](i)nu	<i>jaune</i>	-lkt-	cul[c](i)ta	OFr.coute
-mpt-	com[p](u)taare	<i>conter</i>	-ndt-	ven[d](i)ta	<i>vente</i>
-rbt-	der[b](i)ta	OFr.dert[r]e	-rmt-	dor[m](i)tooriu	<i>dortoir</i>
-stm-	test(i)mooniu	<i>témoin</i>	-rkb-	arc(u)ballista	<i>arbalète</i>
-rpm-	*carp(i)mu	<i>charme</i>	-rtk-	excort(i)cat	<i>écorche</i>

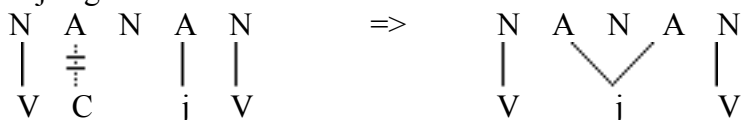
(25) 'intervocalic'  $C_j$

a.	<b>pj</b> > <b>j</b>	sapio	OFr.sai	d.	<b>dj</b> > <b>j</b>	modiolu	OFr.moiel
b.	<b>bj</b> > <b>j</b>	habeo	<i>ai</i>			gaudia	<i>joie</i>
		deebeo	OFr.dei			inoodiaare	<i>ennuyer</i>
c.	<b>vj</b> > <b>j</b>	*aviolu	<i>aïeul</i>	e.	<b>gj</b> > <b>j</b>	regioone	OFr.roion
		*gaveola	OFr.jaiole			exagiu	<i>essai</i>
		*plovvia	<i>pluie</i>			corrigia	<i>courroie</i>

<sup>8</sup> Unless the last two consonants can constitute a TR cluster: perd(e)re > *perdre*, ung(u)la > *ongle*. But in such a configuration, there is no illicit ungoverned empty Nucleus (see (17)b). This confirms that  $C_j$  clusters cannot be homosyllabic: if they were, the medial obstruent is expected to be preserved as is the case when a TR cluster can be constructed.

- (26) in our view:  
 a. C in Coda is in a weak position: it is weakened to  $\emptyset$  (regularly: see [11])  
 b. postconsonantal (heterosyllabic) j is in strong a position: it is preserved.

- (27) moreover: j is geminated<sup>9</sup>



- (28) strengthening:  
 a. *fortition* (affrication)  
 b. *geminatio*

- (29) nj, lj, kj:

a. examples

<b>nj</b>		<b>lj</b>		<b>kj</b>	
vi <u>i</u> nea	vigne	pa <u>l</u> ea	paille	*gl <u>a</u> cia	glace
uunio <u>o</u> ne	oignon	taali <u>a</u> are	tailler	suspicio <u>o</u> ne	sou <u>p</u> çon
Burgun[d]ia	Bourgogne	melio <u>o</u> re	meilleur	*gloocia <u>a</u> are	glou <u>s</u> ser

b. the results of nj, lj, kj are 'heavy'

- i. preceding tonic vowel = checked (for a, e.g. see Bourciez, 1967: §40)
- ii. for kj, moreover: 1. no voicing, 2. no metathesis, 3. ts < kj = ts < ttj  
 (\*matteuca > *massue* like glacia > *glace*)

c. => general gemination: nj, lj, kj > ññ, LL, tts.

- (30) phonetic events

- a. lj > LL: palatalized lateral ? lateralized palatal
- b. nj > ññ: nasalized palatal
- c. kj: i. fronting (k --> t)  
 ii. assibilation

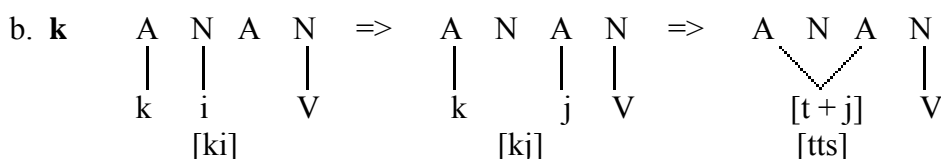
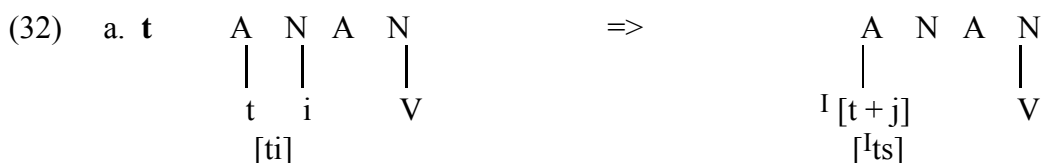
- (31) 'tj'

a. **tj** > <sup>l</sup>**dz** / V \_\_ V

*la <u>t</u> ia	la <u>i</u> ze
ratio <u>o</u> ne	raio <u>n</u>
*acutia <u>a</u> are	aigu <u>i</u> ser

b. no strengthening of j at all

c. => if we are not mistaken, j *has never been in a strong position*



=> Latin t+ short i/e in hiatus has not produced \*tj

<sup>9</sup> La Chaussée, 1974: 67, 171; Bourciez, 1967: §49-H; Fouché, 1969: 256, 909-R1.



(33) Ancient Greek

- a. # \_\_\_                    \*jug-                    > **dzug-on**    *joug*                    Lat. iugum, Skr. yugám, Got. juk  
    \*je(s)-                    > **dze-oo**        *bouillir*                    Skr yásati, VHA jesan)
- b. C \_\_\_ C<sub>[lab]</sub>            p \*klep-joo            > kleptoo    *voler*  
    b  
    C<sub>[cor]</sub>            t \*melit-ja            > melitta    *abeille*  
    d \*od-joo              > odzoo     *sentir*  
    C<sub>[vé]</sub>            k \*kaaruk-joo > keeruttoo *proclamer*  
    g \*stig-joo            > stidzoo    *puer*

(34) Chronology

		t ----->	
		period A [j] is NOT in strong position	period B [j] IS in strong position => <b>STRENGTHENING</b>
		<b>1. gemination</b>	
		<b>2. fortition</b>	
<b>mj</b>			$\overline{d\zeta}$ siimiu *lum[b]ea
<b>pj</b>		<b>jj</b> sapio	$\overline{tj}$ seepia *krip[p]ia
<b>bj</b>		<b>jj</b> habeo	$\overline{d\zeta}$ rubeu
<b>vj</b>		<b>jj</b> *aviolu	$\overline{d\zeta}$ leviu
<b>dj</b>		<b>jj</b> modiolu	$\overline{d\zeta}$ *wadiu herbaa[t]i(c)u
<b>gy</b>		<b>jj</b> regioone	$\overline{d\zeta}$ [*brugja]
<b>tj</b>	$\begin{matrix} V \\ C \end{matrix}$ <sup>1</sup> dz rati <sup>o</sup> one ts cantioone		
<b>sj</b>	$\begin{matrix} V \\ C \end{matrix}$ <sup>1</sup> z baasiaare <sup>1</sup> ss *bassiaare		$\overline{tj}$ foras[t]i(c)u
<b>rj</b>	<sup>1</sup> r paria		$\overline{d\zeta}$ *sturioone hor[d]eu
<b>kj</b>		$\begin{matrix} V \\ C \end{matrix}$ <b>jj+k</b> glacia <b>j+k</b> lancea	
<b>lj</b>		<b>jj+l</b> palea	$\overline{d\zeta}$ al[v]eu
<b>nj</b>		$\begin{matrix} V \\ C \end{matrix}$ <b>jj+n</b> viinea Burgun[d]ia <b>j+n</b> hernia	$\overline{d\zeta}$ liineu spon[g]ia

(35) => in Gallo-Romance:

- a. in Cj, j is always in a *strong position*  
 b. in strong positions, j *always* strengthens

(36) general conclusion:

- a. adjacency is not the trigger, but a condition on palatalisation.  
 b. if palatalizations are regarded as a single natural class, important generalisations are missed. E.g. French j in Cj behaves exactly like any other consonant in the Strong Position.

## REFERENCES

- BENDJABALLAH, Sabrina (1998). La palatalisation en somali. *Linguistique Africaine* 21.
- BOURCIEZ, Edouard (1967). *Phonétique française*, Paris: Klincksieck.
- CARTON, Fernand (1974). *Introduction à la phonétique française*, Paris: Bordas.
- FOUCHÉ, Pierre (1969). *Phonétique historique du français* (3 vol.), Paris: Klincksieck.
- HARRIS, John (to appear). Release the captive Coda: the foot as a domain of phonetic interpretation [présentation orale: 8th Manchester Phonology Meeting, 18-20 mai 2000].
- JACOBS, Haike (1993). La palatalisation gallo-romane et la représentation des traits distinctifs, in *Architecture des représentations phonologiques* (Bernard Laks et Annie Riolland éds), Paris: CNRS Editions.
- KAHN, Daniel (1976). *Syllable-based generalisations in English Phonology*, PhD dissertation, M.I.T.
- KAYE, Jonathan; LOWENSTAMM, Jean; VERGNAUD, Jean-Roger (1990). Constituent structure and government in phonology, *Phonology Yearbook* 7.2: 193-231.
- LA CHAUSSÉE, François de (1974). *Initiation à la phonétique historique de l'ancien français*, Paris: Klincksieck.
- LOWENSTAMM, Jean (1996). CV as the only syllable type, in *Current Trends in Phonology. Models and Methods* (Jacques Durand et Bernard Laks éds): 419-441, Salford / Manchester: ESRI.
- NIEDERMANN, Max (1985). *Précis de phonétique historique du latin*, Paris: Klincksieck.
- POPE, Mildred K. (1952). *From Latin to Modern French with especial Consideration of Anglo-Norman*, Manchester: Manchester University Press.
- SCHEIN, Bary & STERIADE, Donca (1986). On Geminates, *Linguistic Inquiry* 17, 4: 691-744.
- SCHEER, Tobias (1996). *Une théorie de l'interaction directe entre consonnes. Contribution au modèle syllabique CVCV. Alternances e-ø dans les préfixes tchèques, structure interne des consonnes et théorie X-barre en phonologie*, Thèse de Doctorat, Université Paris 7.
- SCHEER, Tobias (1999). A theory of consonantal interaction, *Folia Linguistica* 32: 201-237.
- SCHEER, Tobias; SÉGÉRAL, Philippe (2001). Les séquences consonne + yod en gallo-roman, *Revue Linguistique de Vincennes* 30: 87-120.
- SCHEER, Tobias; SÉGÉRAL, Philippe (to appear). La Coda-miroir, à paraître in *Bulletin de la Société Linguistique de Paris*.
- ZINK, Gaston (1986). *Phonétique historique du français*, Paris: PUF.