5. German

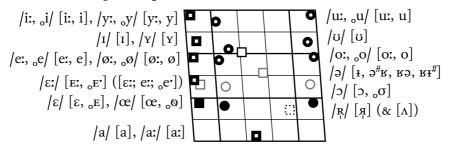
5.0. The neutral pronunciation of (Germany) German is provided in this chapter. Afterwards (§ 5.4.1), we will concisely present the accent of north-east Germany (ie former East Germany, ex-DDR), as used in professional TV and radio broadcastings, which differs only in a few nuances. We will also add the accents of Austria (§ 5.4.2), Switzerland (§ 5.4.3) and South Tyrol or Alto Adige (in north-eastern Italy, § 5.4.4), including some clearly non-neutral indications, which have been chosen (because of their frequency and diffusion) among those that will be given in a specific monograph –German Pronunciation—which will deal with the various regional accents of the whole German-speaking territory in greater detail.

Vowels

5.1.1. fig 5.1 shows the neutral articulations of modern neutral German, which presents seven pairs of opposing short and long vowels in stressed syllables, with the important addition of a timbric difference too (except for /a, a:/, whose timbric difference is now regional). As can be seen from fig 5.1, too, long vowels are realized by closer vocoids, and a modern phonemic transcription must obviously reflect this characteristic: /i:, 1; e:, ϵ ; a:, a/, /y:, γ ; δ ;, δ , δ /, \(\sim \cdot\), \(\sim \cdot\), \(\sim \cdot\), \(\sim \cdot\).

But we have to add another (inconvenient) long phoneme, $/\epsilon$:/, which opposes both $/\epsilon$:/ (because of timbre) and $/\epsilon$ / (because of length). Frequently, it merges with $/\epsilon$:/, mainly in the North, but this pronunciation is not recommendable as neutral, all the more so as current spelling clearly shows it. Indeed, for a modern neutral pronunciation, the most appropriate realization is an intermediate one, [E:], in fact in fig 5.1 the other variants are shown as separate ones.

fig 5.1. German monophthongs.



In addition, we find the typical unstressed phoneme, $/ \ni / [i]$, which is realized differently when close to $/ \Re / [i]$ ($/ \ni \Re \Re / [i]$, except for word-final $/ \Re \Re / [i]$), and in checked syllables with $/ \Re / [i]$ (as we will see shortly after, in the examples), where we actually have $/ \Re / [i]$; although it derives from $/ \Re / [i]$).

Let us now see some examples: ['mitt] /'mittə/ Miete, ['mitt] /'mittə/ Mitte; ['ve:k] /'ve:k/ Weg, ['ve:k] /'ve:k/ weg; ['ʃta:t] /'ʃta:t/ Staat, ['ʃtat] /'ʃtat/ Stadt; ['hy:tt] /'hy:tə/ Hüte, ['hytt] /'hytə/ Hütte; ['hø:lt] /'hø:lə/ Höhle, ['hœlt] /'hœlə/ Hölle. In addition, ['ʔeːʁt; 'ʔɛː-] /'ɛːʀə/ Ähre, ['ʔeːʁt] /'eːʀə/ Ehre and ['theːl¤; 'thɛː-] /'tɛːl¤/ Täler, ['thɛl¤] /'tɛl¤/ Teller; finally, ['zɔnt] /'zɔnə/ Sonne, [ǧt'thʁ̞ʊŋkʰŋ] /gəˈtʀʊŋkʰŋ/ getrunken, [ǧə-ˈʁaːdt] /gəˈʀaːdə/ gerade, ['ʔʊnzəʁt] /'ʊnzəʀə/ unserer.

The last example (as well as a previous one – $T\ddot{a}ler$) shows [$\rlap/\ p$] / $\rlap/\ e$ r, which is more traditionally rendered phonemically as $\rlap/\ pR$ // (and even as $\rlap/\ pr$ //); but / $\rlap/\ p$ // is more convenient, since its most normal and frequent realization is as an intense faryngealized uvular approximant [$\rlap/\ p$]. It is a fact that a $\langle vocalization \rangle$ is also possible, as [$\rlap/\ p$] (and this symbol is certainly more appropriate than $\langle [\rlap/\ p] \rangle$, which however is found in many publications), that is represented by a broken-line white marker ($\rlap/\ p$ / $\! p$); but it does not occur in a systematic way. As a matter of fact, more often we find [$\rlap/\ p$], or even [$\rlap/\ p$, $\rlap/\ p$]; occasionally, even something like [$\rlap/\ A^{\it p}$, $\rlap/\ A^{\it p}$] (ie a back-central vocoid with traces of the contoids shown) is surely apter than a simple and pure vocoid.

5.1.2. We must add that, in unstressed syllables, /ε, œ, ɔ/ are realized as closer vocoids, [ε, ø, σ] (d fig 5.1): [ʔεπt'ʃuldɪgun] /επt'ʃuldɪgun/ Entschuldigung, [ʔσk-thoːbɪ] /ɔk'toːbɪ/ Oktober, ['phœskølt] /ˈpœrkœlt/ Pörkölt. Again, in unstressed syllables, also /i, e; y, ø; u, o/ are to be added, even in phonemic transcriptions: [ˌmikɪ/ ofoːn] /mikro/foːn/ Mikrophon, [ˌʁeali'theːt; -ɛːt] /reali'teːt/ Realität, [ˌdyna-miːt] /dynaˈmiːt/ Dynamit, [ˌʔøkoloˈgiː] /økoloˈgiː/ Ökologie, [ˌʔuniˌveɪzi'theːt; -ɛːt] /univerzität, [ˌfonoloˈgiː] /fonoloˈgiː/ Phonologie. We must say at once that, in current or familiar pronunciation, unstressed /i, e; y, ø; u, o/ easily become /ɪ, ɛ; y, œ; u, ɔ/ [ɪ, ɛ; y, ø; u, σ] (except when word-final): [ˌmɪkɪ/oˈfoːn, ˌʁeali'theːt (-ɛːt), ˌdynaˈmiːt, ˌʔøkoloˈgiː, ˌʔunɪˌveɪzi'theːt (-ɛːt), ˌfonoloˈgiː], and [ʔentˈʃuldɪˌgun, ɪn-], but: [ˈɡumi] /ˈgumi/ Gummi, [ˈziːmiˌle, -ɪ-] /ˈziːmile/ Simile, [ˈphlaːty] /ˈplaːty/ Platy, [ˈtsheːbu] /ˈtseːbu/ Zebu, [ˈmɛksiˌko, -ɪ-] /ˈmɛksiko/ Mexiko.

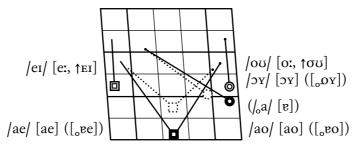
Unstressed /a, a:/ pose no problems to modern neutral pronunciation, since they always become [a]: [ʔaˈɡaːvɨ] /aˈɡaːvə/ Agave, [ʔaˈmeːʁiˌka, -ɪ-] /aˈmeːʀika/ Amerika, [ʔaːfʁiˌka, -ɪ-] /ˈaːfʀika/ Afrika, [ˌʔafʁiˈkhaːtɨ, -ɪ-] /afʀiˈkaːtə/ Affrikate. Instead, in certain transcriptions of traditional neutral pronunciation, we may find 〈/a/>, which somehow corresponds to 〈/ɑː/›; but there is not much coherence at all among different dictionaries and textbooks: [ʔaˈɡaːvɨ, ʔaˈɡaː-; ʔaˈmeːʁiˌka, ʔaˈmeːʁi-ˌka, -ɪ-; ˈʔaːfʁ̞iˌka, ˈʔaːfʁ̞iˌka, -ɪ-; ˌʔafʁ̞iˈkhaːtɨ, -ɑːtɨ]. Except for some loanwords, the GWDA systematically gives 〈/a/› (ie /₀a/) for unchecked grapho-syllables (a ‹strange› criterion indeed, to be frank), whereas Langenscheidt's dictionaries still using /ɑː/ mark /₀a/.

5.1.3. fig 5.2 shows the diphthongs of neutral German: three basic and two secondary ones (the latter are marked in grey and are used in English loanwords). Their neutral duration, both in stressed and unstressed syllables, is always intermediate between the short ([Pal*] / alə/ alle) and the long ([Pa:l*] / arlə/ Ahle) ones. The three genuine diphthongs are [ae, ao, ɔx] / ae, ao, ɔx/ (often badly represented as

(/ai, au, oy~oi/›): ['baen] /'baen/ Bein, ['Pael+] /'aelə/ Eile, ['mae] /'mae/ Mai; ['baom] /'baom/ Baum, ['Paog+] /'aogə/ Auge, ['thao] /'tao/ Tau; ['lɔytn] /'lɔytn/ läuten, ['Pɔyl+] /'ɔylə/ Eule, ['nɔy] /'nɔy/ neu. The two additional ones, in grey, in the most spontaneous pronunciation type, merge into /eː, oː/ (but this depends on words and speakers, too): ['leːdi, 'leɪdi] /'leɪdi/ Lady, ['geː, 'geɪ] /'geɪ/ gay, [ˌnoːhao, ˌnoʊˈhao] /noʊˈhao/ Know-how, ['foː, 'foʊ] /'foʊ/ Show.

The broken-line white markers show two possible realizations of /ae, ao/, in reduced forms (cf \S 5.3.1), [ve, vo], as in: [ven] /aen/ ein, [vos] /aos/ aus (also [ov] /ov/: [ovc] /ovc/ euch). The marker corresponding to [v] is also valid for reduced forms with /a/, as a possible variant: [dvs] /das/ das. We have intentionally not placed it in the monophthong vocogram (fig 5.1), also to avoid confusion with the –quite frequent, but not recommendable— use of $\langle v| v \rangle$ to indicate our [x, x] (or, at best, [A], see fig 5.1 and the first part of \S 5.1, and the second part of \S 5.2).

fig 5.2. German diphthongs.



5.1.4. In French loanwords with original nasalized vowels, we more normally find regular German timbres of /ε, œ, a, ɔ/ (according to stress force) followed by /ŋ/: ['thɛŋ] /'tɛŋ/ Teint, [phaя'fœŋ] /paʀ'fœŋ/ Parfum, [ʔaŋ'saŋbl] /aŋ'saŋbl/ Ensemble, [bơŋ'bɔŋ] /bɔŋ'bɔŋ/ Bonbon. Assimilation is possible, too, as in [ʔan'sambl, bơm'bɔŋ]); although in more careful pronunciation real nasalized vocoids are possible, but generally followed by /ŋ/: ['thɛ̃ŋ, phaя'fœ̃ŋ, ʔãŋ'sãŋbl, ḅỡŋ'bɔ̃ŋ].

In a more careful –but less frequent– kind of pronunciation, actual nasalized vocoids may occur, without any N. They are long or half-long if stressed, and short if unstressed: ['thɛ̃ː, pha¤ˈfœ̃ː, ʔãˈsɑ̃ːbl̩, b̞õˈbɔ̃ː]; in words ending in -on and -an, even a completely Germanized pronunciation is frequent with /oːn, aːn/: [b̞alˈkhɔŋ, -oːn; -ɔ̃ŋ; -ɔ̃ː] /balˈkɔŋ, -oːn/ Balkon, [eˈkh¤aŋ, -aːn; -ãŋ; -āː] /eˈkraŋ, -aːn/ Ekran. In addition, when nasalization is present, words with /aŋ/ can show timbres that are closer to the French ones: [ʔɑ̃ˈsɑ̃ːbl̩, ʔɒ̃ˈsɒ̃ːbl̩, ʔɑ̃ŋˈsɑ̃ŋbl̩, ʔɒ̃ŋˈsɒ̃ŋbl̩], [ˈʃans(‡), -aŋ-, -ɑ̃ŋ-, -ɔ̃ŋ-, -õː-] /ʃaŋs(ə)/ Chance (in words such as this, /ə‡/ can drop).

Consonants

5.2. fig 5.3 shows the necessary consonant articulations which are needed for a good German pronunciation, including taxophonic variants. The examples will even show the devoicing of voiced stops, after pauses or voiceless consonants and of voiced constrictives only after voiceless consonants.

fig 1.9-15, instead, give the orograms, grouped by manners of articulation, of all the contoids given in the chapters of this volume (even as secondary, occasional, or regional variants) for the 12 languages treated. This exposition makes the necessary comparisons between different languages more immediate.

fig 5.3.	Table of German consonants.
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	bilabial	labiodental	dental	denti-alveolar	alveolar	postalveo-palatal protruded	prepalatal	palatal	velar	uvular	pharyngealized uvular	laryngeal
N K	m p b	[ŋ]		[n] ŧ d	n		[ŋ]		ŋ k g	[и]		[3]
K KS X		pf f v	ts			tſ						
X S	[ß]	fv	s z			S 3	[ş]	ç [j]	/x/	[X R]		
J			0 2			1 3	ΓÅΊ	ç [j] /j/	124		[R]	h
R L				r 1 1	[1] 1		r 1 1			/R/		
L	. p.] 8	100	n/ [m	[1]		h N·1	[]] m. m. r	h #P #		a if r	41 (£	fia 1.

Nasals

5.2.1.1. There are three phonemes for this manner of articulation, /m, n, $\eta/$, with a certain number of taxophones by assimilation ([m], [m, m, n, n, n, n, n], and [ŋ, N]): ['man] /'man/ Mann, ['hemt] /'hemt/ Hemd, ['ve:m] /'ve:m/ wem, ['naen] /'naen/ nein, [k'ni:] /k'ni:/ Knie, ['tshe:n] /'tse:n/ zehn, ['thuɪnkn/ trinken, [Pambitn] /anbitdn/ anbieten, [fymf] /fynf/ fünf, [Pons] /ons/ uns (strictly [[Puns]], but [n] is sufficient), [di'thant*] /di'tantə/ die Tante (strictly [di'thant*]), ['vyn(n] /'vyn(n/ wünschen, [khon'ka:d] /kon'ka:də/ Konrade, ['mynçn] /'mynçn/ München, [ˈʔan̩ln] /ˈan̩ln/ angeln, [ˈlɛŋst] /ˈlɛŋst/ längst, [ˈlɛŋs̩] /ˈlɛŋs̩/ länger, [ˈzɪn̩h] /zɪŋn/ singen, ['tshuŋɨ] /'tsuŋə/ Zunge, [bɨˈdɪŋun] /bəˈdɪŋuŋ/ Bedingung, ['tshaetun] /ˈtsaetun/ Zeitung, [ˈtshaetunn/]/ˈtsaetunn/ Zeitungen. (For /un#, unn#/ we have $[UN^{\#}, UNN].$

Please, note that the sequence /nj/ -and /lj/ as well- has two different realizations in stressed syllables, for tautosyllabic (after /V:/) or heterosyllabic (after /V/) elements: [ˈliːnjɨ] /ˈliːnjə/ Linie, [ʃamˈphanja] ([-an-ja]) /ʃamˈpanja/ Champagner.

In lexical compounding, even for the negative prefix un-, in slow \% accurate pronunciation, people try to maintain [n], whereas -currently- it is assimilated to the place of articulation of the following *C*.

As an actual compromise, here we will show that it is possible to have articulations which maintain an apical contact but add secondary coarticulations (without full contacts). These coarticulations are: bilabial [m], labiodental [n], velar [n]: ['Pumbendic, 'Pum-] /'unbendic/ unbändig, ['Pumvisklic, 'Puf-] /'unvirklic/ unwirk-

lich, [ˈʔʊŋgɨˌʁeˈgl̩t, ˈʔʊn-] /ˈʊngəʀeːgl̩t/ ungeregelt. Below, we will find that a couple of these phones occur as intense too, [r, n].

In other cases, with less different coarticulations, assimilation (which is often considered to be less recommendable, on pure graphical and morphological bases) appears to be less noticeable, thus it is applied in a spontaneous though unconscious way.

5.2.1.2. Including two intense nasal phonemes too, /m, n/ (instead of //əm, ən//), we have five of them, with all their various taxophones ([m] for /m/, and [m, n, n, n, n, n] for /n/) [ˈʔaɪtm̩] /ˈaɪtm̩/ Atem, [ˈziːbm̩] /ˈziːbn̩/ sieben, [ˈneːmm̩] /ˈneːmn̩/ nehmen, [ˈʃaɪfn̩] /ˈʃaɪfn̩/ scharfen, [ˈhɔpfnɜ] /ˈhɔpfns/ Hopfens, [ˈkhatsn̩] /ˈka-tsn̩/ Katzen, [ˈduːdn̩] /ˈduːdn̩/ Duden (rigorously [ˈduːdn̩]), [ˈphantʃn̩] /ˈpantʃn/ pantschen, [ˈʔapˌbʁɛnn̩] /ˈapbɛɛnn̩/ abbrennen, [ˈmeːţcn̞; ˈmeːţ-] /ˈmeːtcn/ Mädchen, [ˈfliː-gn̩] /ˈfliːgn̩/ fliegen, [ˈzaɪɡn̩] /ˈzaɪgn̩/ sagen, [ˈtshaetunn̩] /ˈtsaetunn̩/ Zeitungen, [ˈbʁɪ-nn̩] /ˈbrɪnn̩/ bringen, [ˈvɪʁn̩, -ʁn̄, -ɪɪn, -ɪɪn] /ˈvɪrn/ wirren, [ˈtshaːln̩] /ˈtsaːln̩/ zahlen, [ˈqeːn̩] /ˈqeːn/ gehen.

Let us observe, however, that there are cases where intense nasals are less favored, as results from such forms as ['bɪndnd+n] /'bɪndndən/ bindenden (with theoretical sequences of [N], ['bɪndndn], which are possible in faster speech, but mostly not in intonemes).

As can be seen, it is more convenient to distinguish between /N/ and / ∂ N/. It is sufficient to know that, if pronunciation becomes slower or more controlled, it is easy to go back to [η], or [\dagger n]: from [\dagger zi: $b\eta$, \dagger za: $g\eta$] to [\dagger zi: $b\eta$, \dagger za: $g\eta$] and [\dagger zi:b \dagger n, \dagger za:g \dagger n], or from [\dagger tsha: $l\eta$, \dagger ge: η] to [\dagger tsha: $l\eta$, \dagger ge: η]. However, generally, except in intonemes, forms such as *gehen* can even become [\dagger ge: η].

5.2.1.3. In the previous section, we have shown up to *six* taxophones for the two intense nasals, /m, n/. At first sight, they might seem to be excessive; nevertheless, by concretely considering actual phonetic reality, it is clear that only in quite approximate transcriptions could it be possible to renounce them. Besides, in order not to complicate things (without reason), even *nine* could be useful, indeed: [m, n, n, m, m, n, n, n, n, n, n]. (All this without considering a denti-alveolar [n], for which a simple [n] is sufficient, as in [Paenn'gu:tn 'thank] [Paenn'gu:tn 'tank/ einen guten Tank.)

However, we will show them only here, since these examples belong to actual sentences taken from passages of connected speech, and we will put them in double square brackets that indicate an objective precision, but perhaps a less pressing one. We are dealing with sequences where /n, m and the tautosyllabic C before them, $/^{\#}CN^{\#}/$, determine their exact place of articulation, [m, m, n, n, n, n, n, n], just as in the examples seen above. Even the initial C of following syllables affect the result, by coarticulation, in a more or less evident way, according to the places of articulation directly involved. This happens every time two phones come into contact with one another; and, of course, this is done to render pronunciation more fluent and natural (certainly not to further complicate life!).

Among the taxophonically relevant actual cases in German, after experiencing

all possibilities, the following instances are worthwhile mentioning and exemplifying. As a matter of fact, should they not be applied, the result would be articulatory straining, indeed.

5.2.1.4. For practical reasons, we will start from /Cn/ [Cm]. We can see that when they are followed by labiodentals (/pf, f, v/), the coarticulation of [m] and [pf, f, v] produces an intense labiodentalized bilabial [m]: ['zi:bm 'pfhe:sd+] /'zi:bn 'pfe:rd-) sieben Pferde, ['zi:bm 'fεta] /'zi:bn 'fεta/ sieben Vetter, ['zi:bm 'va:gn/ sieben Wagen.

When |Cn| [Cm] is followed by laminal C, /t, d, ts, z, n, l/, we have a denti-al-veo-bilabial [n]: ['zi:bn 'tha:g+] |'zi:bn 'ta:gə| sieben Tage, ['zi:bn 'de:mank] |'zi:bn 'de:mank| sieben DM, ['zi:bn 'tshima] |'zi:bn 'tsimn| sieben Zimmer, ['zi:bn 'nɛçt+]

/ˈziːbn ˈnɛçtə/ sieben Nächte, [ˈziːbm ˈlɛnds]] /ˈziːbn ˈlɛnds/ sieben Länder.

Finally, for /Cn/ [Cm] + /k, g, R/, we find an intense *velarized* bilabial nasal [m]: ['zi:bm 'khatsn] /'zi:bn 'katsn/ *sieben Katzen*, ['zi:bm 'gɛŋ+] /'zi:bn 'gɛŋə/ *sieben Gänge*, ['zi:bm 'ke:dṣ; 'kɛ:-] /'zi:bn 'kɛ:dɛ/ *sieben Räder*.

5.2.1.5. As far as /Cm/ [Cm] -em is concerned (which is not derived by assimilation, but is original, for //Com//), three groups deserve careful attention. In fact, for //Cm/ [Cm] + /pf, f, v/, we find a labiodental [m]: [mɪtˌdiˈzmˈpfheːst] /mɪtdiˈzm-pfeːrt/ mit diesem Pferd, [ʔɪnˌdiˈzmˈvalt] /ɪndiˈzmˈvalt/ in diesem Wald.

For /Cm/ [Cm] + /t, d, ts, z, n, l/, once again, we have a *denti-alveo-bilabial* [m]: [tshu,daenm'tshima] /tsudaenm'tsima/ *zu deinem Zimmer*, [bae,dizm'liçt] /baedizm'liçt/ *bei diesem Licht*. For /Cm/ [Cm] + /k, g, a *velar-bilabial* [m]: [foa,maenm'khopf] /formaenm'kopf/ *vor meinem Kopf*, [mit,daenm'kin] /mit deinem Ring.

5.2.1.6. For /Сդ/ [Сդ] + /p, b, m/, for the third time we find a denti-al-veo-bilabial [[դ]]: ['gu:tṃ 'phʁaes] /'gu:tṃ 'praes/ guten Preis, ['gu:tṃ 'bal] /'gu:tṃ 'bal/ guten Ball, ['gu:tṃ 'mɔқqḥ] /'qu:tṃ 'mɔқqḥ/ guten Morgen.

For /Cn/ + /pf, f, v/, we have a labiodentalized alveolar [n]: ['gu:tn 'pfhle:gn] /'gu:tn 'pfle:gn/ guten Pfleger, ['gu:tn 'fan] /'gu:tn 'fan/ guten Fang, ['gu:tn 'vaen] /'gu:tn 'vaen/ guten Wein. For /Cn/ + /k, g, n/, we find a velarized alveolar [n]: ['gu:tn 'khɛln] /'gu:tn 'kɛln/ guten Keller, ['gu:tn 'gast] /'gu:tn 'gast/ guten Gast, ['gu:tn 'vaen] /'gu:tn 'ro:tvaen/ guten Rotwein.

Besides, for /Cn/ [Cή] + /p, b, m/, we again find a *velar—bilabial* [ή]: [ˈɡ̊eˈgἡ-ˈphoːln̩] /geːgἡ-ˈpoːln/ *gegen Polen*, [ˈɡ̊eˈɡἡ-ˈbɛlgjn̩, -jn̩]] /geːgἡ-ˈbɛlgjn/ *gegen Belgien*,

[ˈdeˈqmˈmɛksiˌko]] /qeːqmˈmɛksiko/ gegen Mexiko.

For /Cn/ [Cn] + /pf, f, v/, we find a labiodentalized velar [n]: [nge-gn]-pfhant] /ge:gn]-pfant/ gegen Pfand, [nge-gn]-frankreich, [nge

For /Cn/ [Cn] + /t, d, ts, z, n, l/, we have a denti-alveolarized velar [n]: [nge:gn-thael] /'ge:gn-tael/ Gegenteil, [nge:gn-tael] /ge:gn-tael/ Gegenteil, [nge:gn-tael] /ge:gn-tael/ Gegenteil, [nge:gn-tael] /ge:gn-tael/ gegen zwei, [nge:gn-taeks] /ge:gn-taeks/ gegen sechs, [nge:gn-taeks/ gegen sechs/ gegen sec

5.2.1.7. In the case of /Cn/ [Cm] + /pf, f, v/, obviously, things do not change: [mɨtˈʃaяfmˈfoːtos] /mɪtˈʃaʀfn ˈfoːtos/ mit scharfen Fotos; equally, for /Cn/ [Cm] + /t, d, ts, z, n, l/: [mɨtˈʃaяfmˈtshɛːnn; 'tshɛː-] /mɪtˈʃaʀfn ˈtsɛːnn/ mit scharfen Zähnen.

Instead, for /Cn/[Cm] + /k, g, R/, we have a *velarized* labiodental [m]: [mtt]ая-

fm 'khlınn / mit scharfen Klingen.

For /Cn/ [Cn] + /p, b, m/, for the fourth time we find a *denti-alveo-bilabial* [m]: [mexţçnpenzjonat, -an-, -an-, -an-, -an-, -si-; mexţ-] /mexţçnpenzjonat, -an-, -sj-/ *Mädchenpensionat*; besides, + /pf, f, v/, we have a *labiodentalized* alveolar [m]: [mexţçnhpenzionat; mexţ-] /mexţçnhpenzionat; mexţ-] /mextçnhpenzionat; mexţ-] /mextçnhpenzionat; mexţ-] /mextçnhpenzionat; mexţ-] /mextçnhpenzionat; mexţ-] /mextqnhpenzionat; mexţ-] /mextqnhpenzionat; mexţ-] /mextqnhpenzionat; mextqnhpenzionat; mextqnhpenzionat

For /Сn/ [Сn] + /p, b, m/, we find for the third time a *velar—bilabial* [m]: [hshaetuŋm publihshiːsn, -sn, -sn] /hsaetuŋm publihsiːsn, Zeitungen publizieren.

For /Cn/ [Cn] + /pf, f, v/, we again have a *labiodentalized* velar [f]: ['tshaeŧuŋf' fạˈkhaofm̩] /'tsaetuŋn faˈkaofn̩/ *Zeitungen verkaufen*.

Lastly, for /Cn/ [Cn] + /t, d, ts, z, n, l/, once again we find a denti-alveolarized velar [rh]: ['tshaeŧunrh 'leːzn] /'tsaetunn 'leːzn/ Zeitungen lesen.

In grammemes (and frequent lexemes), as in, ein, von, ins, uns, dann, schon, Montag, in current speech, it is not at all rare that $|Vn| + |(C)^{\#}$, $(C)^{\#}$ becomes $[Vn, \tilde{V}]$ (with progressively stronger nasalization, up to a complete dropping of $|\tilde{n}|$): [Pins'khi:no, Pis-] |Ins'ki:no| ins Kino...

Stops

5.2.2.1. There are three diphonic pairs, /p, b; t, d; k, g/, which are peculiar because in word-final position (and in postnuclear position, but with some coddities) that we will see) only the voiceless elements occur. In addition, /p, t, k/, after pauses and in stressed syllables (not preceded by /s, \int / that belong to the same lexeme), are caspirated. Besides, /t, d/ are denti-alveolar (and rigorously the most appropriate symbols would be [[t, d]], but it is sufficient to use [t, d], unless it is thought to be important to insist on this nuance).

Here are some examples: [pha'phi:κ] /pa'pi:κ/ Papier, ['phlats] /'plats/ Platz, ['ʃpκεçn] /'ʃpκεçn/ sprechen, ['halp] /'halp/ halb, ['Papt] /'apt/ Abt, [Piç'phaκκ] /iç-'paκκə/ ich parke, ['Pont] /'ont/ und, ['lu:p+] /'lu:pə/ Lupe, ['Pεb+] /'εbə/ Ebbe, ['bit+] /'bitə/ bitte; ['tho:t] /'to:t/ Tod, ['thκe:tn] /'tκε:tn/ treten, ['ʃtκass+] /'ʃtκassə/ Straße, ['laet] /'laet/ Leid, [+s'thκinkt] /əs'tκinkt/ es trinkt, ['laedκ] /'laedκ/ leider, ['dankh] /'dankn/ danken, ['khint] /'kint/ Kind, ['khκaes] /'kκaes/ Kreis, [dæs'khi:no] /das'ki:no/ das Kino, [(Paen)k'nal] /(aen)k'nal/ (ein) Knall, [ḡt'biκg+] /gə'biκgə/ Gebirge, ['ḡiŋ] /'gin/ ging.

5.2.2.2. What is too often described as (aspiration) of stops before pauses, is actually nothing but the (explosion) of the phones (that we will show only here with [**]), not (aspiration), which is a different thing: ['skalp**] /'skalp/ Skalp, ['tha:t**] /'ta:t/ Tat, ['khɛk**] /'kɛk/ keck. Some authors go as far as to indicate something like

\[
\(\text{!thaphth}_\dark_\), for ['thapt] / \(\text{!appte}, \text{!kytl}_\dark_] / \(\text{!kyt}_\dark_] / \(\text{!kyt}_\dark_

By assimilation, in /pf, pv/, we have [p] + /f, v/: [ʔapˌfal] /ˈapfal/ Abfall (different from [pf] /pf/), [ʔapˌveːstn̩ / ˈapveːstn̩ / abwerten. In addition, as we have seen for /n/ (§ 5.2.1), even /t, d/ assimilate to a following C: [ˈmɪkˌgift] /ˈmɪtgɪft/ Mit-gift, [ˈmɪkˌkomm̩] /ˈmɪtkɔmn̩ / mitkommen, [ˈmɪpˌbʁɪŋn̩] /ˈmɪtbɛɪŋn̩ / mitbringen, [ˈmɪpˌmɛnʃ] /ˈmɪtmɛnʃ/ Mitmensch, [ˈbʁoːkˌkhaofm̩] /ˈbʀoːtkaofn̩ Brot kaufen, [ˈbʁoːpˌbʁɪŋn̩] /ˈbʀoːtbɛɪŋn̩ / Brot bringen. Note that we have [t] in: [ˈmɛːt̞cn̩ / Mädchen.

5.2.2.3. Let us also consider: [ˈʔaplaot] /ˈaplaot/ Ablaut, [ˈʔaplaˌtirf] /ˈaplatiːf/ Ablativ, [ˈʔapluɪf] /ˈapnuɪf/ Abruf, [ʔatˈvɛnp] /atˈvɛnp/ Adverb, [ˌʔatmiˈraːl] /atmiˈraːl/ Admiral, [ˈʃtoːflaen] /ˈʃtoːflaen/ Stovlein, [ˈliːploːs] /ˈliːploːs/ lieblos, [ˈreːkloːs] /ˈneːkloːs/ reglos, [ˈmøːklɪç] /ˈmøːklɪç/ möglich, [ˈniːtlɪç] /ˈniːtlɪç/ niedlich, [ˈhantlun] /ˈhantlun] / Handlung, [ˈʔyːplɪç] /ˈyːplɪç/ üblich, [ˈvaːknɪs] /ˈvaːknɪs/ Wagnis, but: [ˈlaebnɪts] /ˈlaebnɪts/ Leibniz, [ˈreːdnɪ] /ˈreːdnɪ/ Redner, [ˈɡeːgnɪ] /ˈgeːgnɪ/ Gegner, [ˈvaːgnɪ] /ˈvaːgnɪ/ Wagner, [ˈʔaːdlɪ] /ˈaːdlɪ/ Adler, [ˈʔaːdlɪç] /ˈaːdlɪç/ adlig, [ˈʔaːdlɪgɪ] /ˈaːdlɪgə/ Adlige, [ˈɔɪdnun] /ˈɔɪdnun/ Ordnung, [ˈreːdnɪ] /ˈreːdnɪ/ Regler, [zɪgˈnaːl] /zɪgˈnaːl/ Signal, [ˌzɪgnaˈthuːɪ] /zɪgnaˈtuːɪ/ Signatur, [ˈʔeːbnɪ] /ˈeːbnə/ ebne, [ˈʔyːbrɪc] /ˈyːbrɪc/ übrig.

Actually, in this second group of forms, the consonantal sequences are voiced because they belong to the same lexeme (with a possible diachronic drop of /ə/-e-): reden, gegen, Wagen, Adel, Regel, Orden, eben, über. On the contrary, in the first group we have combinations (which may be clear or opaque) with grammemes (ie prefixes or suffixes), so we will consider only three cases: Ab-(laut), (üb)-lich, from üben, and (Wag)-nis.

Words of lofty or foreign origin generally maintain a voiced stop before sonants: /bl/ Double, moblieren, Problem, publik, Republik, sublim, Tablett, Variable; /br/ Algebra, Fabrik, Kabrio, Kobra, Librettist, Soubrette, Vibration, Zebra; however /br, pr/ Abrasion, Abrasit and /pr, br/ abrupt; /dr/ Adresse, Hydrant, Madrider, Madrigal, Melodrama, Quadrant.

Other cases: |gm| Dagmar, Dogma, Egmont, Fragment, Magma, Paradigma, Phlegma, Pigment, Pragmatik, Pygmäe, Segment, Sigma, Stigma; |gn| Agnostiker, Diagnose, ignorieren, indigniert, kognitiv, Magnat, Magnolie, Magnus, Physiognomie, prägnant, Stagnation, and |gn, ŋn| inkognito, Magnesit, Magnesium, magnetisch, Signal, signikant; |gl| eglomisieren, Hieroglyphe, Iglu, Negligé, and |ŋl| englisch, Jüngling, länglisch, and |ŋl| Single; |gr| agrarisch, Agronomie, Allegro, Diagramm, Emigrant, Migräne, Regress, Sangria, Telegraf.

But we have: /tm/ Admiral, Kadmium. In addition: /p, b/ Abort (= Abtritt), aboral, abortieren, and /kn, qn/ Ereignis, in spite of /kn/ Befugnis, Wagnis, Zeugnis.

5.2.2.4. From the examples provided, we see that German has a <code>qlottal</code> stop too (or <code>qlottal</code> catch), but *laryngeal stop* is better) [?]: [,?yb¤,'?al, ,?y-] /y(:)b¤,'al/ ü-

berall, [ḡtʔɔяk] /gəˈɔʀk/ Georg (more frequently, [ˈgeːɔяk] /ˈgeːɔʀk/), [b̄tʔaeln̩] /bə-ˈaeln̩/ beeilen, [theˈʔaːtя̞] /teˈatʀ/ Theater, [fяˈʔaen] /fʀˈaen/ Verein, [ˈvael (ʔ)ɪçˈʔaos-ˌʔaяbaett] /ˈvael ɪçˈaosaʀbaetə/ weil ich ausarbeite, [ˈʔɪs ˈʔaoχ ˌʔaen(n̩)ˈʔapfl̞] /ˈɪs ˈaox aennˈapfl̞/ iss auch einen Apfel.

This phone precedes every V which is syllable-initial (thus with no C before that, always in the same syllable), either in stressed or unstressed position, either in lexemes or grammemes, even in sentences. It is mostly noticeable after pauses and in stressed syllables; if pronunciation becomes more relaxed, [?] may be missing but only in completely unstressed syllables (and we indicate it here as [(?)]), provided composition is not evident.

As can be seen, it also occurs within lexemes, in the context /VV/ [VPV], but not if the stress is weak: [Paft] /aftə/ Affe, [Pap,Parxt] /aparxt/ Abart, [fxPaxtn] /fxaxtn/ verachten, [btPaxtn] /btPaxtn/ beachten, [des,PavuPirkn, -kp, -kp, -kp, -kn] /desavuIrkn/ desavouieren, [dePemfazis] /de'emfazis/ Deemphasis, [PantPartsidum] /ant'artsidum/ Antacidum, [Pant(Pathirt] /anta'tsirt/ Antacid, [PaosPalerzn] /aosplezn/ auserlesen, [muntParxtn] /muntarxtn/ Mundarten. Thus we have: [thea'thkarls] /tea'trarls/ theatralisch, but [thePa-] only in a kind of... theatrical pronunciation.

In addition, we find [ʔ] even if the V is $\langle \text{deep} \rangle$ or assimilated, as in $[\bar{\mu}] / \bar{\mu} /$

But we have: [ʔaeˈnand¤̩] /aeˈnandæ/ einander, with non-morphemic syllabification, which is acknowledged by the new orthography as well.

Further useful examples: [ˌʔᢋˈʔaʌˌbaetn̩] /ɛ̞ʀˈaռbaetn̩/ erarbeiten, [ˈʔaofʔʌ̞ʃte་ʊɴ] /ˈaofɛ̞κʃteːʊŋ/ Auferstehung, [ˈviːdʌ̞ʔʌ̞ˌʔo·bʌ̞n, -ʌ̞n] /ˈviːdʌ̞ɛ̞κoːbʌ̞n/ wiedererobern, [ˈɡ̊latˌʔaes] /ˈglataes/ Glatteis, [laŋˈneːzəˌʔaes] /laŋˈneːzəaes/ Langneseeis, [ˈɡ̊aŋˌʔaˈʌt] /ˈgaŋaːʀt/ Gangart, [ˈtshɔlʔa̞ˌhøʊun] /ˈtsɔlʌ̞høːʊŋ/ Zollerhöhung, [khloˈʔaːkə] /kloˈaːkə/ Kloake, [ˌʔideˈʔaːl] /ideˈaːl/ ideal.

5.2.2.5. The existence of pairs such as [f¤Paezn] /f¤aezn/ vereisen and [f¤baezn] /f¤baezn/ verreisen could lead one to think that [ʔ] is a phoneme, /ʔ/; but it is not so, even because it can be omitted, as generally happens in Switzerland, South Tyrol/Alto Adige, Austria, and Bavaria.

Even in neutral familiar speech, it is maintained better in fully stressed syllables: [di(ʔ)¤̞ˈgɛntsun] /diæˌˈgɛntsuŋ/ die Ergänzung, [ˈʃtuπm (ʔ)unˈdʁaŋ, (ʔ)ɨn-, -ˈd-] /ˈʃtuπm untˈdʀaŋ/ Sturm und Drang, [ˌʔɪç(ʔ)¤̞ˈʔa¤ˌbaetɨ] /ɪç¤aʀbaetə/ ich erarbeite. However, normally [ʔ] never occurs before postverbal pronouns: [(ʔɪ)çˈvaesɨs] /ɪçˈvaesəs/ ich weiß es, [ˈleːzɪç, -z-] /ˈleːz(ə)ɪç/ les' ich. On the other hand, in final half-stressed syllables, after V, it is certainly possible to have: [ˈmɪçaˌʔel, -ˌʔe·l].

The banal mistake of not considering [?] a ‹sound›, simply because it does not correspond to any grapheme, is to be avoided completely! For good phonetics, clear ideas are needed, and above all it is necessary to use one's ears, not one's eyes... Therefore, it is wrong to talk about a ‹vocalic onset› for [?V], in opposition to an ‹aspirated onset› for [hV], as for instance, in: [f¤[?altn] /f¤[altn] /veralten, [f¤[haltn] /f¤[haltn] /reralten.

Phonetically, they are not different from [fạˈfaln̩] /faln̩/ verfallen: they are all

[CV], although the phonemic transcriptions do not use </?/>
of simplicity. Actually, for teaching purposes, it could be more useful to write it, especially if no real phonetic transcription is added to the phonemic one. However, if only one type of transcription is used, it is decidedly more recommendable to also write [?] or /?/, especially for important cases.

A possible variant of [?V(:/C), ?¤] is [V, V:, VC, ¾]: [¡ʔɪçʔ¤ˈʔa¤ˌbaet+, ˌʔɪçʔɛ¤ˈʔ-], [ˌɪç¾ˈa¤ˌbaet+, ˌɪçɛ̞¤ˌa¤,] /ɪçɛ̞¤ˈaռbaetə/ ich erarbeite, [ʔɪçˈʔantˌvo¤t+], [ˌɪçˈant-vortə/ ich antworte, [ˌideˈaːl/ ideˈaːl/ ideal. Therefore, we have [ʔ] which fuses with the voiced segments of a syllable, and realizes them as creaky. For native speakers, this phonation type sounds similar to the sequences we have seen.

(In Danish, something similar occurs, although in the opposite direction: *stød* [cf § 17.36 of *NPT*/*HPh*] entails a distinctive use of creaky voice for voiced phonemes, [V, C]; however, certain speakers change these phones into [V?, C?] sequences, with [?] in second place.)

5.2.2.6. It is interesting to note that [ʔ] can also occur mainly as a substitute of /t/ (but of /d, p, k/ as well), when preceded % followed by /N, N/. Even variants with creaky intense nasal segments occur ([m, n, n]), which represent a frequent compromise, as we will see. The cue and most examples are taken from Kohler (1994), with integrations and changes, both for the transcriptions and contexts of occurrence: [ˈʔaemʃaˌʃtandn, -nnn, -nʔn] /ˈaenfɛ̞κʃtandn/ einverstanden, [ˈfoːaˌhandn, -nnn, -nʔn] /ˈfoːrhandn/ vorhanden, [ˈʃtundn, -nnn, -nʔn] /ˈʃtundn/ Stunden, [ˈʔɛndn, -nnn, -nʔn] /ˈɛndn/ Enden, [ˈʔɛntn, -nʔn, -nnn, Enten, [ˈkhœntn, -nʔn, -nnn, /b] /ˈkœntn/ könnten, [ˈdankn, -nʔn, -nnn, /b] /ˈdankn/ danken.

Further examples: [ˈlɔʏçpˌpʊŋktn, -ŋtn, -ŋʔn, -ŋnn] /ˈlɔʏçtpʊŋktn/ Leuchtpunkten, [ˈtshɛntnˌʌ, -nʔnˌʌ] /ˈtsɛntnˌʌ/ Zentner, [ˈkhlɛmpnʌʌ, -mʔnʌʌ] /ˈklɛmpnʌʌ/ Klempner, [ˈthaozmp ˈme-tʌʌ, -mʔ ˈm-] /ˈtaozn̩tmeːtʌʌ/ tausend Meter, [bəˈʔamtn, -mp-tn, -mʔm, -mmm] /bəˈamtn/ Beamten (not for [bəˈʔamtə, -mptə] /bəˈamtə/ Beamte).

More: [ˌʔɪnʔaenˈnɔyəs ˈʔamt ˈʔaemˌfyҡӎ, -ampt, -amp, -кӊ, -ям, -ян] /ɪnaenˈnɔyəs ˈamt ˈʔaenfyҡң/ in ein meues Amt einführen, [ˈphʊŋktn, -ŋtn, -ŋʔŋ, -ŋŋŋ] /ˈpʊŋktn/ Punkten, [ˈlɔytnant, -ʔn-] /ˈlɔytnant/ Leutnant, [mɪpˈmɪndəstns, mɪʔ-] /mɪtˈmɪndəs-tns/ mit mindestens, [ˈhɪntn, -nʔn, -nnnn] /ˈhɪntn/ hinten, [ˌmɪtnm, -ʔnm] /ˌmɪtnm/ mit 'nem, [ˈʔaxˌtsheˈntn, -ʔn, -nnn, -tsen-, -tsen-, -tsen-, -ts-] /ˈaxtseːntn/ achtzehnten.

5.2.2.7. In addition: [ˈkhɔmt daemˈfʁ̞ɔʏntˌmɪt, -mpˌmɪt, -mʔˌm̞-] /ˈkɔmt daen-ˈfʀɔʏntmɪt/ kommt dein Freund mit?, [ʔesˈkhɔmt ˈnɪçt, -mʔ, ʔes-, ʔs-] /eːκˈkɔmt ˈnɪçt/ er kommt nicht, [ˌzɪntmaen+ʃuɪ ˈhiɪs, -mpm̞-, -mʔm̞-] /zɪntmaenəˈʃuɪə ˈhiɪs/ sind meine Schuhe hier?, [ˌvɪszn̩tˈnuɪs ˈtshβae, -n̞ʔˈn̞-] /vɪszɪntˈnuɪs ˈtsvae/ wir sind nur zwei.

Therefore, we add the /tn/ context, not preceded by /n/, but by another voiced (or even voiceless) phoneme: ['hatn, -ʔn] /'hatn/ hatten, ['bɪtn, -ʔn] /'bɪtn/ bittn/ bitten, ['bɪtn, -ʔn] /'bɪtn/ bieten, ['vaяtn, -яʔn] /'vaʀtn/ warten, ['vɔltn, -lʔn] /'vɔltn/ wollten, ['vostn, -ʔn] /'vostn/ wussten, ['lyftn] /'lyftn, -ʔn/ lüften.

When [Ç#ʔ] combine, they can become [ʔ#ʔ]: [ʔʊntˌʔɪlʊstʁ̞a'tshɣ̊oːnn, ʔʊnʔˌʔɪ-] /ʊntɪlʊstʀa'tsjoːnn/ *und Illustrationen*, [ˈfʁ̞aeˌthaˈk ˈʔaːbm̞t, -a·ʔ ˈʔaː-] /ˈfʀaetaːk ˈaːbn̞t/

Freitag abend, [mɪtˌʔɪnt¤̩ˈsɪti, mɪʔˌʔɪn-] /mɪtɪnt¤ˌˈsɪti/ mit Intercity, [mɪtˌʔinuˈʔɛlt¤̩n, mɪʔˌʔ-] /mɪtˈiːnp ˈɛltr̩n/ mit ihren Eltern.

Stopstrictives

5.2.3.1. German has three voiceless stopstrictives, [pf, ts, tf] /pf, ts, tf/. From a descriptive and teaching point of view, it is not a good thing to exclude them from the phonemic inventory and consider them as phonemic sequences such as
ts, tf/>; also because these sequences do exist in the language (as we will see)! More often, /ts/ is articulated with lowered tip of the tongue, whereas /tf/ is with raised tip (but it is not necessary to use a special symbol [tf]). The three of them are all <aspirated> after pauses or in stressed syllables, except after a tautomorphemic /s/: ['pfhefa] /'pfefar, ['pfhlantsa] /'pflantsa/ Pflanze, ['fimpfm] /'fimpfn/ schimpfen, ['khɔpf] /'kɔpf/ Kopf; ['tshaet] /'tsaet/ Zeit, [na'tshjo:n] /na'tsjo:n/ Nation, ['niçts/ nichts, ['stse:na] /'stse:na/ Szene; ['tfheça] /'tfeça/ Tscheche, ['tfhelo; 'fe-] /'tfelo; 'fe-/ Cello, ['dɔxtf] /'dɔxtf/ deutsch, ['phatfa] /'patfa/ Patsche.

Let us now see some cases of /pf, tʃ/ [pf, tʃ]: [ˈʔapfaˌlaŋṅ] /ˈapfa̩laŋṇ/ abverlangen, [ʔentˈʃpɪnn, ʔɨn-] /ɛntˈʃpɪnn/ entspinnen, [ʔentˈʃlus, ʔɨn-] /ɛntˈʃlus/ Entschluss. However, in fast speech they can become [pf, tʃ]: [ˈʔapfaˌlaŋṅ, ʔentʃˈpɪnn, ʔɨn-, ʔentʃˈlus, ʔɨn-] (generally without ‹aspirating› the following stopstrictives or stops, as also in: [ʔentˈʃuldɪgun, -nˈtʃu-, ʔɨn-] /ɛntˈʃuldɪgun/ Entschuldigung, cf § 5.3.2.5 as well).

Instead, German has no </dʒ/>, but /tʒ/, which occurs in loanwords: [tˈʒiːns] /tˈʒiːns/ Jeans, [ˌkhilimantˈʒaːʁo] /kilimantˈʒaːʀo/ Kilimandscharo, [(ʔɪm)tˈʒʊŋl/ (im) Dschungel; especially in current pronunciation, [tʒ] /tʒ/ can alternate with /tʃ, tʃ/.

Constrictives

5.2.4.1. There are five diphonic pairs: [f, v; s, z; \int , z; ζ , \int ; ε , \int . Generally, \int are articulated with lowered tip of the tongue, whereas \int , \int are with raised tip (but it is not necessary to use special symbols as [\int , \int]). Strictly speaking, [ζ] could be considered not to be a phoneme (by \langle simply \rangle introducing a \langle juncture phoneme \rangle , as we will see shortly). In addition, [\int] is actually a \langle semi-constrictive \rangle phone (even if it were indicated with [\int]). On the other hand, functionally, [\int] belongs to the particular category of sonants, and to the \langle vibrant \rangle group; as a matter of fact, one possible realization is exactly [\int] \int R.

Thus it is important to clearly know the relations among the various constrictive elements. Therefore, it is not difficult –in this case, thanks to spelling as well—to see that $[\varsigma, \chi]$ are in (almost) complementary distribution. On the other hand, even $[\mathfrak{j}]$ has close relationships (mostly in northern speech) with $[\varsigma]$ and also $[\chi, k]$ (even with $[\mathfrak{g}, \chi]$ as well, which in the North realize $/\mathfrak{g}/$ together with $[\mathfrak{j}]$, that belongs to the phoneme $/\mathfrak{j}/$ too).

But let us see some examples: [ˈfymf] /ˈfynf/ fünf, [ˈvas] /ˈvas/ was, [ˈʁaesn̩] /ˈʀae-sn̩/ reißen, [ˈʁaezn̩/ reisen, [ˈzoːn] /ˈzoːn/ Sohn, [ˈʃøːn] /ˈʃøːn/ schön, [ˈʃtaen] /ˈʃtaen/ Stein, [ˈthɪʃ] /ˈtɪʃ/ Tisch, [ʒeˈniː] /ʒeˈniː/ Genie, [eˈthaːʒɨ] /eˈtaːʒə/ Etage, [ˈbuːx] /ˈbuːx/ Buch, [ˈbyːça̩] /ˈbyːça̞/ Bücher, [ˈbax] /ˈbax/ Bach, [ˈbɛçə] /ˈbɛçə/ Bäche, [ˈʁuːɪç] /ˈruːɪç/ ruhig, [ˈʁaoʁɪs] /ˈraorɪs/ Rauris.

5.2.4.2. There are three more approximant taxophones for slit constrictives, which occur before /s, ʃ/, and we will notate them with their committed variants as well (which are more demanding), because they are not really necessary, although very frequent and ctypifying). It would not be useless to acquire them to obtain a smoother pronunciation: [F, h, x] /f, c, x/: [Paofijim, Paofijim] /'aofijim/ aufschieben, ['høihst, 'høicst, -çşt] /'høicst/ höchst, [ˈʁaoxiʃpek, ˈʁaoxiʃpek] /ˈraoxiʃpek/ Rauchspeck.

In preintonemes (ie not in intonemes), forms such as *auf*, *ich*, *mich*, *dich*, *sich*, *-ig*, *-ich*, *-lich*, *-zig*, *euch*, *auch*, *doch*, *noch*, in current speech, often have [F, h, x]/f, c, x, irrespective of the context just seen.

Quite rightly, German pronouncing dictionaries clearly indicate both $[\varsigma]/\varsigma/$ and $[\chi]/\kappa/$ – it is necessary to provide precise indications, not mysterious algebraic formulae. In fact, unless through an appropriate morphonological knowledge, there would be no way to tell the difference between $['thao\varsigma_{\eta}]/'tao\varsigma_{\eta}/$ Tauchen (-chen) (small rope) and $['thao\chi_{\eta}]/'taox_{\eta}/$ tauchen (-chen) (calf) and $['khu:\chi_{\eta}]/'ku:\chi_{\eta}/$ Kuchen (-chen) (calf) and $['khu:\chi_{\eta}]/'ku:\chi_{\eta}/$ Kuchen (-chen) (calf)

5.2.4.3. The suffix -ig is [ıç] /ıç/, even when followed by C (except for those belonging to suffixes which contain [ç]): [ˈkhøːnɪç] /ˈkøːnɪç/ König, [ˈʔaenɪḥst, -çst, -çşt] /ˈaenɪçst/ einigst, [f¤ːʔaenɪçt] /f¤ˈaenɪçt/ vereinigt, [ˈtshßantsɪḥstɨ, -çstɨ, -çştɨ] /ˈtsvantsɪçstə/ zwanzigste; but: [ˈkhøːnɪklɪç] /ˈkøːnɪklɪç/ königlich, [ˈkhøːnɪkl̞¤aeç] /ˈkøːnɪknaeç/ Königreich, [ˈkhøːnɪgɪn] /ˈkøːnɪgɪn/ Königin.

However, it is possible to find ['khøːnɪçˌʁaeç], and even –fairly systematically–[ɪk] /ɪk/: ['khøːnɪk, 'ʔaenɪkst, f¤ːʔaenɪkt, 'tshβantsɪkstɪ], which is the only pronunciation really accepted in southern Germany, Austria, and Switzerland, in initial position too: ['çeːmɪʃ, 'k(h)-] *chemisch*, ['çiːna, 'k(h)-] *China*.

The graphic sequence *chs* has two different phonic structures: within lexemes we find [ks] /ks/: ['vɛksln] /'vɛksln/ *wechseln*, ['vaeksl] /'vaeksl/ *Weichsel*, ['ʔɔksɨ] /'ɔksə/ *Ochse*, ['zɛks] /'zɛks/ *sechs*, ['fʊks] /'fʊks/ *Fuchs*, [d̞n'daks] /dn'daks/ *der Dachs* ⟨badger⟩, while we have: [xs] and [hs, çs, çs] /xs, çs/, when s is a grammeme: [d̞ss-'daxs] /dəs'daxs/ *des Dachs* ⟨of the roof⟩, [d̞s'phɛhs, -çs, -çs] /dəs'pɛçs/ *des Pechs* ⟨(black) pitch⟩.

/s, z/ are mostly articulated with lowered tip of the tongue; but, for /sç/, we have [şç]: ['bɪşçn̩] /'bɪscn/ bisschen; and, except in slow speech, for /sʃ, sz/, we have [ʃʃ, ʃʒ]: ['Paeʃʃʁ̞aŋk] /'aesʃʀaŋk/ Eisschrank, [(ʔɪ)çmuʃʃnɛl 'vɛk] /ɪçmusʃnɛl 'vɛk/ ich muss schnell weg, [ˌdaʃʒe'niː] /dasʒe'niː/ das Genie. /ʃ, z/ are with raised tip ([ʃ, ʒ]).

In addition, in the /kv, tsv, \(\sqrt{v} \) sequences, \(\sqrt{v} \) is more often realized as bilabial, \([\beta]: ['kh\betaat\] / 'kvat\) \(Quatsch, ['tsh\betaae] / 'tsvae/ zwei, ['\beta\betasta] / '\sqrt{v\estr} \) \(Schwester. In neutral German, \(\sqrt{j} \) is semi-constrictive, in all contexts: \(['\text{i}ax] \) / \(\sqrt{j}axr / Jahr, [\text{majo-}] \)

'nezzɨ; -eː-] /majo'nezzə/ Majonäse/Mayonnaise, [ʔɪnˌtona'tshjoːn] /ɪntona'tsjoːn/ Intonation.

5.2.4.4. For /R/, it is necessary to add a few observations, both on our notation and phonemic interpretation. The (generic) phonemic symbol seems to be useful in indicating its normal place of articulation, which is uvular – and the most recommendable, for teaching purposes. As far as its manner (of articulation) is concerned, the voiced constrictive one, [B], is normal (and the most recommendable as well).

For emphasis, or for individual peculiarities, it is certainly possible to have a (voiced) uvular trill: [R]. On the other hand, among native speakers it is not rare to find (voiced) alveolar articulations: a tap, [r], or a trill, [r] (mostly in the South, and Austria and Switzerland). However, before stressed or unstressed V, we will transcribe only [B] /R/: [Baokis] /Raoris/ Rauris, [Bkiŋħ] /Briŋħ/ bringen.

After tautosyllabic V, instead, we will always transcribe [я] (voiced pharyngealized uvular approximant) for /к/, which is intense after C or diphthongs, [я] /к/: ['viːя] /'viːк/ wir, ['viːя] /'viːκ/ wirr, ['maeṣ] /'maeṣ/ Meir (like Meier, Meyer), ['bɛsṣ] /'bɛsṣ/ besser, [hṣ/foːs] /hṣ/foːs/ hervor.

Contrary to what we do –and Kohler (1977, 1995²) and others as well– several authors distinguish between [Vß] and [Vß] (ie </Vr/> and </Vß/>, above all in teaching textbooks), but we do not think it is the best proposal, also because it is more complex and far from being the most widespread pronunciation (cf § 5.1.1 too).

For the prefixes er-, her-, ver-, zer-, we will transcribe $[(C)_{\Bar{s}}]/(C)_{\Bar{s}}/$, since it is the normal and most recommendable pronunciation, although in pronouncing dictionaries (except the GDWA) we still find $\langle /(C)_{\Bar{s}}|$. A slow, careful, or emphatic, pronunciation —with $[(C)_{\Bar{s}}]/(C)_{\Bar{s}}/$ can be safely inferred from our notation as well. Diaphonemically, though, we might use $/(C)_{\Bar{s}}/$.

Approximants

5.2.5. For this manner of articulation, the most important German phoneme is certainly [h] /h/, which often has the voiced variant, among voiced phones (especially in non-primary-stressed syllables): ['haos] /'haos/ Haus, [ḡthaem] /gəˈhaem/ geheim, [ˈdaːˌhaˈbɪɪ̩vɪɪɪ, -fi-] /ˈdaːhaːbɪvuːɪk/ da haben wir..., [ˈʔʊnˌhael, -fi-] /ˈunhael/ Unheil, [ˈvɪlhelm, -fi-] /ˈvɪlhelm/ Wilhelm. Notice, however, cases like: [ˈɡ̞eːn̩] /ˈgeːn̩/ gehen, [ˈʁuɪɪç] /ˈrunig, [ˈzaː] /ˈzaː] /sah.

Graphically, h is a device often used to indicate that the preceding V is long, mostly before m, n, l, r (the so-called $\langle Dehnungs-h \rangle$): ['ne:mm] /'ne:mn/ nehmen. In addition to the variant of $\langle v \rangle$, [β], occurring in the sequences $\langle kv \rangle$, tsv, $\langle v \rangle$ (§

5.2.4.3), we will briefly say something about other possible variants for /Cj, yV, u?V, o'a/: ['feːʁjnˌ, -ʁjn̩] /'feːʀjnˌ/ Ferien, [naˈtshjoːn, -ˈtshjoːn, -tsiˈoːn] /naˈtsjoːn/ Nation, [tshyaˈnoːzɨ, tshua-] /tsyaˈnoːzə/ Zyanose, [ˌmanuˈʔɛl, -uˈɛl, -ˈnwɛl, -ˈnwɛl] /manuˈɛl/ manuell, [thoaˈlɛtɨ, thwa-, thwa-] /toaˈlɛtə/ Toilette.

Laterals

5.2.6. In German neutral pronunciation we find only [l] /l/ (with the corresponding intense one, [l] /l/) and the variant [l], before [c, l] (the last one is heterosyllabic only): ['lant] /'lant/ Land, ['fɔl] /'fɔl/ voll, [fa'mi:lja] /fa'mi:lja/ Familie, [va'nɪlja] ([-nɪl-ja] and [-ɪla]) /va'nɪl(j)a/ Vanille, ['mɪlc/ Milch, ['hɛlt] /'hɛlt/ Held, [ˈPeːzl] /'ezzl/ Esel, [ˈduːdln] /'duːdln/ dudeln.

Structures

5.3.0. In this part, we will make the necessary observations for pronouncing words in actual sentences. Thus, we will deal with assimilation, reduction, stress, and intonation.

Reduced forms

5.3.1.1. In spontaneous speech, grammemes, in addition to gradually reducing their stress, may even attenuate vowel timbres and lose some consonants or syllables. Grammemes include: articles, personal pronouns, possessive adjectives, particles, affixes, prepositions, short conjunctions and adverbs – and some other similar forms, such as *geworden*, *spazieren*, and greetings.

We will give some examples, mostly taking them from Kohler (1977, 1995², § 6.3.2), by modifying and completing both their inventory and variants, including the transcriptions. In the original publications, these are limited to the segments in question, whereas we will adapt them to our own style. The examples come in useful to show mechanisms and possibilities, rather than absolute necessities.

[ˌmɪ(t)dmihunt] mit dem Hund
[dnigu:tn 'gast] den guten Gast
[ˌɪnmi'gaяtn] in dem Garten
[ˌʔɪstṣ'vɪяklɪç] ist es wirklich?
[ˌhasdɪsgu'ze:n] hast du's gesehen?
[ˌshatndɪ'tshaetun gu'saot] er hat in die Zeitung geschaut
[ˌsizoldnifa:tshaetun] er soll den Vater rufen
[dniman (ʔ)ɪndɪ'fwao] der Mann und die Frau
[(ɪ)ç'lasn 'ʁe:dn] ich lass ihn reden
[(ɪ)çı(h)abm gu'ze:n, çamg-] ich hab' ihn gesehen

[(I)ç'phakınmal] ich pack ihn mir mal

[ˈlasn̞ ˈiunnˌdoxˈʁeːdn̩] lass den Jungen doch reden

['giːpm ˈkhɪndʌnˌdox vestsuˈʔɛsn̩] gib den Kindern doch was zu essen

['phakij 'khındanıdox vestsu'?esnı?aen] pack den Kindern doch was zu essen ein

[(1)ç|kann nıç(t)|se:n, -'z-] ich kann ihn nicht sehen

[яіsʔalbяn, -яи] er ist albern, [я"ʔıs ʔalbяn, -яи] er ist albern

[sisiniçinsila:gi] er ist nicht in der Lage, [sisiniç(t?)insila:gi] er ist nicht in der Lage

[ves₁(h)as(t)d₁q₁'za:kt] was hast du gesagt?

[ˈhɐ(t)d̞¤ˈleːʁa̞ gɪ̞-ʃpʁ̞ɔx̞n̩] hat der Lehrer gesprochen?

[zɪˈvoːnt ˌʔɪn(d)¤̞ˈʃtat] sie wohnt in der Stadt

[ˌvɪяznˌʔɪn(d)ɪˈʃtatg̊tˌfaъn, -ьр, -ян, -ян] wir sind in die Stadt gefahren

[ˌvɪяzṇˌʔaof(d̯)ṣˈʃtʁ̞aːsɨ] wir sind auf der Straße

[ˈmoːniˌkas ɡ̊ɨˈkhəmm̩] Monika ist gekommen

['phe:tas gakhəmm] Peter ist gekommen

[ˈkhʊяtɪs g̊ɨˈkhɔmm, -ts̩] Kurt ist gekommen

['haenurich ist gekommen street gekommen gekommen street gekommen gekommen street gekommen ge

[zoːhat¤gɨˈʃpʁ̞ɔχn̩] so hat er gesprochen, [zoːhatɨɛяgɨˈʃpʁ̞ɔχn̩] so hatte er gesprochen

[zoːha·ptяgɨˈzaːkt] so habt ihr gesagt, [zoːhatяіядɨˈzaːkt] so hat er ihr gesagt

[haptam,vasgihø:st] habt ihr denn was gehört?

[hasdındmvasgige:bm] hast du ihr denn was gegeben?

[hasdndengrzein] hast du ihn denn gesehen?

[ˌhasdmdemˌvasgeˈgeːbm] hast du ihm denn was gegeben?

['veːs hetnˌdeŋgɨzeːn] wer hat ihn denn gesehen?

[ˌvasˈvɔln̩zɨˌden, ˌvasˈvɔln̩zn̩] was wóllen Sie denn?, [ˌvasˈvɔln̩ ˈziːˌden] was wollen Sie denn?

[ˌvasˈvɔln̩zɨdɛnˌdar, ˌvasˈvɔln̩zn̩ˌdar] was wóllen Sie denn da?, [vesˌvoln̩ˈziːdn̩ˌdar, vesˌvoln̩ˈziːnˌdar] was wollen Sie denn da?

[vesˈmaxdn 'pheːts] was macht denn Peter?, [vesˈmax(p) 'pheːtsˌden] was macht Peter denn?

[vesˈvɔltam deŋˈgeːbm] was wollt ihr ihm denn geben?

[vesˈsɔlıçıя deŋˈgeːbm, vesˈzɔlıçяŋ ˈgeːbm, -sˈz-, -ˈs-] was soll ich ihr denn geben?

[ыңhadesgrmaxt] er hat das gemacht

[zı,hadesgi+maxt] sie hat das gemacht

[hatadasgrmaxt] hat er das gemacht?

[,hatsi,dasgi+maxt] hat sie das gemacht?

[d¤leв¤ hatnshovti niçts Paofgigebm] der Lehrer hat uns heute nichts aufgegeben

[dn'thıʃ 'ʃtɛlmvıя ʔındı'ʔɛkı-| dn'ʃısankın dı'ʔandəві...] den Tisch stellen wir in die Ecke, den Schrank in die andere

[d̞я̩'thɪʃ +d̞вяʔṇdɪ'ʔɛkɪʃte't+] der Tisch, der in die Ecke steht...

[dn'thıʃ +d+mvıяndı'?ɛk+ g+'ʃtɛlt,ham+] den Tisch, den wir in die Ecke gestellt haben...

[vesˈmaxnˌdidenˌdar] was machen die denn da? [des'musde'szaen, dasmus'de:szaen] das muss der sein [ʔɪʌɪhapt'ʃoːŋ qɪˈthaːn] ihr habt schon getan ['harptя dasgt'maxt] habt ihr das gemacht? [(1),çapıяdesgriqe:bm, (1),çapя-] ich hab' ihr das gegeben [(I),çabmія'fo:яqы[telt] ich hab' ihn ihr vorgestellt [zɪˌhatɪяˈkhlaetgɨˌvaʃn] sie hat ihr Kleid gewaschen [ˈhøːʁn̩vɪяns ˈm̪ɔяqnˈ ˈfʁ̯yː, ˈhøːʁm̩v-, -ns] hören wir uns morgen früh ['vɔlnzi (z)ıç'thʁɛfm] wollen Sie sich treffen? [viˈgeːts, -ts] wie geht's? (-t es?) [ʔeяˌ(ʔ)ɪstɪndˈŋˈkhɛlяˌʔaen̞gɨˌdʁʊnn̩, ˌʔeяs(ʔ)ɪŋˈŋ-] er ist in den Keller eingedrungen [ʔεκ₁(ʔ)ɪstɪnɨἡkhɛlṣ₁ʔaeṇgɨˌdʁʊnṇ, ˌʔɛκs(ʔ)ɪἡἡ-, -ŋἡ-] er ist in einen Keller eingedrungen [Реяˌhad̞яˌjaˈgɨˈzaːkt· d̞esя̞ˈkhɔmt] er hat dir ja gesagt, dass er kommt [deshatagithkəymt] das hat er geträumt [ˌdaˈhɐd̪яˌʔapaˈʁaːtg̊ၗʃtʁ̞aekt] da hat der Apparat gestreikt [dahaptavasyazəymt] da habt ihr was versäumt [ˈthyːяғ ˈthoːя] *Tür und Tor* [ˈleːbmm ˈthoːt, -mn] Leben und Tod ['vaenin gi'zan] Wein und Gesang [desha:pm 'gu:t] das Hab und Gut [ˈʔɛpflm ˈbɪяғn] Apfel und Birnen [?aen'thɪʃɨn (?)aem'bɛt, -un] ein Tisch und ein Bett [ˈtʏmʃɨn ˈtshßantsıç, -mvmˈ, -mm̩] fünfundzwanzig ['noynan 'tsh\bantsı\c, -n\n] neunundzwanzig [ˈziːbmm ˈtshßantsıç, -mm] siebenundzwanzig [ˈtshßae hunaˈtshßantsıç, nɨ-] zweihundertzwanzig [vents keignt dem fair wind fair dem fahren [vents keignet, dann fahren [vents keignet] [vents keignet dem fahren keignet dem f wir mit der Bahn.

5.3.1.2. Here is a list of reduced forms; it is fairly complete, which could even seem to be too analytical. However, it is of paramount importance to carefully examine all the modifications given, in order to grasp the mechanism.

It is obvious that the most (normal) forms, in this list, are not the first given, but some of the succeeding ones, in suitable conditions.

aber [ˈʔaːbʌn, ˌʔarbʌn, ˌʔabʌn, ˌabʌn, ˌabʌn]
also [ˈʔalzo, ˌʔalzo, ˌalzo, ˌazo]
an [ˈʔan, ˌʔan, an, en], [-m, -m, -n, -n,
-N]
am, an dem [ˈʔandm, ˌʔandm, ˌadm,
'ʔam, ˈʔam, ˌʔam, am, em]
ans, an's, an das [ˈʔandes, ˌʔandes, ˌandes, ˈʔans, ˌʔans, ans, ens]
an'n, an den [ˈʔandn, ˌʔandn, ˌandn,

₁ʔaofṃ, ˌaofṃ] mm, daem:, drem], [d-] aufn, auf'n, -f den [Paofdn, Paofm, deinen, dei'n [ˈdaenn, daenn, daenː, ₁ʔaotṁ, ˌaotṁ] daen, dren], [d-; -m, -m, -n, -n, -ง] auf der, -f'r [ˈʔaofd̪a, ˈʔaofa, ˌʔaofa, deiner ['daena, daena, deena, dena, ˈd̞ŧn¤̞, ˌd̞n̞¤̞], [d-] auf die, -f'ie ['Paofdi, -fi, Pao-, ao-, -1, deines ['daenis, daenis, deenis, denis, ˈd̞ŧnɨs, ˈd̪nɨs], [d-] auf Wiedersehen! [ʔaotˈviːd¤ˌze·n, dem, 'm ['derm, dem, dem, dem, -zem, -zen, ʔeof-, fˈvidя-, ˈvidя-, ˈviя-] dem, d+m, dm, 2m, m], [d-], [1-] aus ['Paos, Paos, aos, aos, vos] (only after V) ausm, -s'm, -s dem [ˈʔaosdm̯, ˈʔaosm̯, dem (rel.) ['deːm, dem, dem, dem, dem, d+m, dm], [d-] ¡ʔaosm, ¡aosm] ausn, -s'n, -s den [ˈʔaosd̪n, ˈʔaosn̩, ˌʔaodem (dim.) ['derm, derm, dem, dem], sņ, ¡aosn̩] aus der, -s'r [ˈʔaosd̞a, ˈʔaosa̞, ˌʔaosa̞, ˌaoden, 'n ['de:n, den, den, den, den, SЯ dɨn, dṇ, ʔṇ, ṇ], [d-, -m, -m, -n, -ŋ, bei ['bae, bae, bae, bee], [b-] -N, [1-] (only after V) beim, -i dem ['baedm, baedm, baem, den (rel.) ['de:n, de'n, den, den, den, 'baem, baem, baem, beem], dุ๋ŧn, dุn̩], [d-, -m, -m, -n, -n, -ง] den (dim.) ['deːn, |de·n, |den, den], bei'n, -i den [ˈbaedn̩, ˌbaedn̩, ˌbaen̩, [d-, -m, -m, -n, -n, -n] 'baen, baen, baen, baen, been], [b-, denen ['de:nn, de'nn, denn, den:, -m, -m, -n, -n, -ทุ den, den, d+n], [d-; -m, -m, -n, -n, -n, *bei'r, -i der* [ˈb̪aedя, ˌb̪aedя, ˈb̪aeя, denn ['dɛn, den, den, den, dn, n, n], 'paea, paea, peea, pea], [b-] [d-; m, m, n, n, ง] (the most reduced *bin* [ˈb̪ɪn, ˌb̪ɪn, b̪ɪn, b̪ɪn, b̪m̩], [b-] forms are *not* used when preceded by bist [bist, bist, bis, bis, bs, Bis, Bis, words in N; whereas, in *final* ßs̞], [b-] *position*, they are used when they da ['daː, ˌda·, ˌda, da, de], [d-] occur after unstressed pronouns; da- [da-, de-, di-], ['dax-, 'dax-], [d-] instead, in *non-final position*, they occur after stressed pronouns too) (-bei, -nach, -von, -vor, -zu, ...) [da'r-, da'r-], [da'r-, da'r-], [d-] *der*, 'r ['de:я, de'я, deя, deя, deя, dя], (-ran, -rauf, -raus, -rin, -rum, ...)[d-], [1-] (only after V) dann ['dan, dan, dan, den, den], [d-, *der* (rel.) ['de:я, |de:я, |deя, deя, deя, deя], -m, -m, -n, -n, -ท] das, 's ['das, das, das, des, dis, is, s, s], *der* (dim.) ['de:я, de:я, deя, deя], [d-] [d-], [1-] (only after V) qeseu [ˌdeskh' 'qeskh' 'qekh' -кы desh' das (rel.) ['das, das, das, des, des], [d-] deяn, -яп, dяn, dяn], [d-, -m, -m, -n, das (dim.) ['das, das, das], [d-] -n, -n] dass [ˈdas, ˌdas, das, des], [d-] des, 's ['dɛs, ¡des, des, dɨs, ds, ds, s, s], dein ['daen, daen, daen, dren], [d-, [d-], [1-] (only after *V*) des (rel.) ['dɛs, des, des, des], [d-] -m, -m, -n, -n, -n] deine ['daeni, daeni, dreni, dreni], des (dim.) ['des, des, des], [d-] dessen ['dɛsp, desp, desp], [d-] deinem, dei'm [ˈdaenm, daenm, daedesto ['desto, desto, deso], [d-] mm, deenm, deemm, denm, de*dich* ['dɪç, dɪç, dɪç, dɪḥ], [d-], [1-] (on-

-gegen, ...)

ly after V) *die* ['diː, di', di, di, di, dɪ, dɪ], [d-], [1-] (only after *V*) *die* (rel.) ['diː, 'di', 'di, di, di], [d-] *die* (dim.) ['diː, di, di, di], [d-] diese ['di:z+, |di'z+, |diz+, |diz+], [d-] diesem ['dizm, dizm, dizm, dizm], diesen ['diːzn, diˈzn, dizn, dizn], [d] dieser [ˈd̪iːzʌ̞, ˌd̪iˈzʌ̞, ˌd̪izʌ̞, ˌd̪ɪzʌ̞], [d-] dieses [ˈdiːzɨs, ˌdiˈzɨs, ˌdizɨs], [d-] *dir* [ˈd̪iːя, ˌd̪iˈя, ˌd̪iя, d̪ɪя, d̪я], [d-], [า-] (only after *V*; the most reduced forms do *not* occur in final position) *doch* ['dɔχ, ˌdσχ, dσχ, d+χ], [d-] du ['du:, du', du, du, dv, dt], [d-], [1-] (only after *V*; the most reduced forms do *not* occur in final posi*durch* [ˈduяç, ˌduяç, duяç], [d-] durchs, -h das [ˈdusçdɐs, ˈdusçdɨs, 'duscs, 'duscs, 'duscs, duscs, -çş, -hs|, |d-| *durch'n*, *-h den* [ˈdʊяçd̩n, ˌdʊяçd̩n, ˈdʊsçn̪, ˌdʊsçn̪], [d-] durch die ['duяçdi, d-, -1, -1], [d-] *eben* [ˈʔeːbm̩, ˌʔe·bm̩, ˌʔebm̩, ʔem̩, ?em, em] ein, 'n [ˈʔaen, ˌʔaen, aen, ɪn, n̩], [-m, -m, -n, -n, -n] eine, 'ne [Paeni, Paeni, laeni, leni, ini, nŧ, nŧ] einem, ei'm, 'nem [ˈʔaenm̩, ˌʔaenm̩, aenm, aemm, enm, emm, ?aem:, aem, aem, vem, vm, nim, im, m] einen, ei'n, 'nen [ˈʔaenn̩, ˌʔaenn̩, ˌaenn̩, Paenz, Paen, aen, een, en, nin, nn, ทุ], [-m, -m, -n, -n, -N] einer, 'ner [ˈʔaena, ˌʔaena, ˌaena, ˌɐena, 'sua' 'tua' ua' ua' eines, 'nes ['Paenis, Paenis, Paenis, Penis, enis, inis, nis, nis einmal [ˈʔaenˌmaˈl, ˌʔaenmal, -ɐl, -ɐ, -mm-, ˌnm-, ˌmm-] *ent*- [?ent-, ent-, int-] (-wickeln,

er [ˈʔeːя, ˌʔeˈя, ˌʔeя, ея, ея, я] ([я] *only* when not preceded by $[\mathfrak{t}, \mathfrak{n}, \mathfrak{n}]/\mathfrak{d}, \mathfrak{R},$ R/; the most reduced forms do *not* occur in final position) er- [ʔeя'ʔ-, ея'ʔ-, я'ʔ-] (-arbeiten, -übrigen, ...) [?eя'-, ея'-, я'-] (-klären, -saufen, ...) es, 's ['Pes, 'Pes, es, Pis, is, s, s] (the most reduced forms occur in final position *too*, in many cases) euch ['?ɔyç, ¡?oyç, ?oyç, oyç, oyh, ογς, ογի] *euer* [ˈʔɔʏя, ˌʔσʏя, ʔσʏя, σʏя, οʏя] eurem [ˌʒɔʌrwˈ, ˈʒoʌ-, ˈʒoʌaw, ʒoʌ-, ?σΥm, σΥ-, οΥ-] eureu [ˌʒɔʌкиٰ, -кѣਂ, ˈʒoʌ-, ˈʒoʌun, -чѣ', ?σγ-, σγ-, ργ-] eurer [ˈʔɔʏʁʌ̞, ˌʔσʏ-, ʔσʏʌ̞, σʏʌ̞, οʏʌ̞] eures ['Poykes, Poy-, Poykes, Soykes, Oy-, OY*für* [ˈtyːя, ˌtyːя, ˌtyя, tʏя, tʏ, tя̩] fürs, -r's, -r das [ˈfyːяdes, ˈfyːяdɨs, ˈfyːяds, 'fy:ns, ,fy:ns, ,fyns, fyns, fys, fns] *für den, -r'n* [ˈtyːяdn̩, ˈtyːяn̩, ˈtyːяn, ₋fy⁻яи, fyяи, fyяи, fяи, fyn], [-m, -m, -n, -n, -n] für die [ˈfyːяdi, ˌfy-, ˌfy-, ˌfy-, -ɪ, -ɪ] gar [ˈɡ̊aːя, ˌɡ̊aːя, ˌɡ̊aя, g̊aя, g̊a, g̊a̩], [g-] gegen ['geːgn, -gn, ˈge-, ˈge-, gen], [g-] gegens, -n's, -n das [ˈɡ̊eːqn̩dɐs, ˈɡ̊eːqn̩dɨs, ˈɡ̊eːgns, -gns, ˌge-, ˌge-, gens], [g-] gegen die ['gergndi, -nn-, -n-, ge-, ge-, -I, -I], [q-] geworden [gɨˈvɔяdn, gɨˌvoяdn, gɨ-_'vσяи], [g-; -m, -m, -n, -n, -η] guten Abend! [ˈɡ̊uːtn̩ ˈʔaːbm̩t, ˌg̊urtn̩ˈʔ-, _'gut-, ˌgʊt-, ˌgʊd-, gʊnˈʔ-, gˈŋˈʔ-, դ՛/ʔ-, n'?-, (-)'?a:mt, (-)'?amt], [g-] *guten Morgen!* [ˈɡ̊uːtn̩ ˈmɔяgn̩, ˌg̊u·tn̞-'m-, ¡gut-, ¡gut-, ¡gud-, -mˈm-, gunˈm-, -m'm-, g'n'm-, n'm-, n'm-, m'm-, 'm-, (-)'mcm'(-), urcm'(-) guten Tag! [ˈɡ̊uːtn̩ ˈthaːk, ˌg̊u·tn̩ˈthaːk, ıgut-, ıgut-, ıgud-, gun'th-, gή'th-, ή'th-,

n̞'th-, 'th-, -ak, -aʔ], [g-] habe, -b' ['haːbɨ, ˌhaˈbɨ, ˌhabɨ, ˌhaßɨ, hab, heb, abt, ab, eb] (forms with $/h/ \rightarrow [\emptyset]$ do not occur in rhythm--group initial position) haben [haːbm, harbm, habm, ham, ham, am, em, m, m] (forms with $/h/ \rightarrow [\emptyset]$ do not occur in rhythm--group initial position; the last, more reduced, forms occur after habt ['harpt, harpt, hapt, hapt, hept, apt, ept] (forms with $/h/ \rightarrow [\emptyset]$ do not occur in rhythm-group initial position) hast [hast, hast, hast, has, ast, as, est, es] (forms with $/h/ \rightarrow [\emptyset]$ do not occur in rhythm-group initial position) hat [hat, hat, hat, het, at, et, t] (forms with $/h/ \rightarrow [\emptyset]$ do not occur in rhythm-group initial position; the last, more reduced, form occurs after er) her- [he'b-, hə'b-] (-an, -auf, -aus, -ein, -über, -unter, ...) [heя'-, hя'-] (-bei, -nach, -vor, -zu, ...) Herren, meine Damen und [maeni-ˈdaːmn̩ វបntˈhɛʁn̩, -ʁn̩, mɐenɨ-, mɨnғ-, ғn'hεяn, -яғы hin- [hr'n-, hr'n-] (-an, -auf, -aus, -ein, -über, -unter, ...) $\lfloor \ln_1 2 - \rfloor$ (-arbeiten, ...) [hin'-, hin-'] (-zu, ...), [-m'-] (-weg, ...) $\lfloor \ln_{\Gamma} \rfloor$ (-reichen, ...), $\lfloor -m_{\Gamma} \rfloor$ (-passen, ...), $\lfloor -\eta_{l} \rfloor$ (-kommen, ...) *hier*- [hi'ʁ-], ['hiːˌʁ-] (-an, -auf, -aus, -in, -über, -unter, ...) [his-], [his-] (-bei, -durch, -her, -mit, $-vor, -zu, \ldots)$ *hier* [ˈhiːя, ˌhiˈя, ˌhiя, ˌhɪя, hiя, hɪя] hinter [hɪnta, hɪnta] hinterm, -r dem [hintadm, hintam, ˈhɪnta̞m, ˌhɪnta̞m] *hintern*, *-r den* [ˈhɪntяdn̩, ˈhɪntяn̩, 'hɪntям, ˌhɪntям], [-m, -m, -n, -ŋ] hinters, -r das ['hıntades, 'hıntadıs,

'hıntadş, 'hıntas, _'hıntas] *hinter die* [ˈhɪnta̩di, -ɪ, -ɪ] -hundert [-hundat, -hunat, -hunat, -hunat, -unat] -hundert- [-hundat-, -hunat-, -hunat-, -hʊnṣ-, -ʊnṣ-, -ɨnṣ-, -nṣ-, -nɨ-] *ich* [ˈʔɪç, ˌʔɪç, ɪç, ç] ([ç] + verb: *ich weiss*; verb + [1ç]: *weiss ich*) *ihm* [ˈʔiːm, ˌʔi·m, ˌʔim, im, ɪm, ɪm, m̩] (the most reduced forms do *not* occur in final position) *ihn* [ˈʔiːn, ˌʔi·n, ˌʔin, in, ɪn, ɪn, n̩], [-m, -m, -n, -n, -ง] (the most reduced forms do *not* occur in final position) *ihnen*, *I*- [ˈʔiːnn̩, ˌʔi·nn̩, ˌʔinn̩, ʔinː, ʔin, in, ɪn], [-m, -m, -n, -n, -ง] *ihr* [ˈʔiːs, ˌʔiˈs, ˌʔis, ɪs, s̩] ([s̩] only when not preceded by $[\mathfrak{t}, \mathfrak{s}, \mathfrak{s}]/\mathfrak{d}, \mathfrak{R}$, R/; in addition, [A] only when enclitic, immediately after verbs; the most reduced forms do not occur in rhythm groups which are in intonemes, in neutral pronunciation) *ihr* (poss.) [ˈʔiːя, ˌʔiːя, ˌʔiя, ɪя] ihre ['ʔiːʁ+, 'ʔiˈʁ+, 'ʔiʁ+, 'ɪʁ+] ihrem ['ʔiːkṃ, ˌʔiˈkṃ, ˌʔikṃ, ˌɪkṃ, ?іят, іят∫ ?іян, іян, іян, -ян], [-т, -ҭ, -ӆ] ihrer, I- [ˈʔiːʁa̩, ˌʔiˈʁa̩, ˌʔiʁa̩, ˌɪʁa̩] ihres [ˈʔiːʁ+s, ˌʔiʁ+s, ˌʔiʁ+s, ˌɪʁ+s] *in* [ˈʔɪn, ˌʔɪn, ɪn, ɪn, n̩], [-m, -m̩, -n̩, -n̩] *im*, *in dem* [ˈʔɪndm̩, ˌʔɪndm̩, ˌʔɪnm̩, '51mm, '51m, '51m, 1m, 1m, 4m, m] ins, in das [ˈʔɪndɐs, ˈʔɪndɨs, ˈʔɪnɐs, ˈʔɪnɨs, ˈʔɪnṣ, ˈʔɪns, ˌʔɪns, ɪns, ɨns, n̩s] *in den, in'n* [ˈʔɪndn̩, ˌʔɪndn̩, ˌɪndn̩, ˈʔɪnn̩, ˌʔɪnn̩, ˌɪnn̩, ɪn̩, ɪnː, ɨn, n̩], [-m, -mฺ, -nฺ, -nฺ, -nฺ] in der, in'r [ˈʔɪnda̩, ˌʔɪnda̩, ˌɪnda̩, ˈʔɪna, 'Jina' 'ina' ia' fa] *in die* [ˈʔɪndi, ˌʔɪ-, ˌɪ-, ˌɪnni, ˌɪni, -ɪ, -ɪ, *ist* [ˈʔɪst, ˌʔɪst, ʔɪst, ɪst, ɪs, ɪs, ṣ, s] (only V or intense C + [s]*ja* [ˈi̪aː, ˌi̪a·, i̪a, ja, jɐ]

jedoch [jeˈdɔχ, j̞ε-, j̞ғ-, j-] jetzt [ˈi̞ɛtst, ˌi̞ɛtst, i̞ɛts, i̞sts, j-] mal ['maxl, maxl, mal, mal, mel, ma, me -mal [-marl, -mal, -mel, -ma, -me] *mehr* [ˈmeːя, ˌmeːя, ˌmeя, meя] mein [maen, maen, maen, mren], [-m, -m, -n, -n, -n]meine [maeni, maeni, meeni, meni] *meinem*, *mei'm* [ˈmaenm̩, ˌmaenm̩, ımaemm, ımrenm, ımremm, ımrnm, memm, maemi, meem meinen, mei'n [maenn, maenn, maenn, maenn, maen, meen], [-m, -m, -n, -n, -n, *meiner* [ˈmaena̩, ˌmaena̩, ˌmɐena̩, ˈˈmɐn¤, ˈmɨn¤, ˈmn¤a meines [maenis, maenis, meenis, ments, mints, mits *mich* [ˈmɪç, ˌmɪç, mɪç, mɪḩ] mir [mi:я, mi:я, miя, miя, mя] (the most reduced forms do not occur in rhythm groups which are in intonemes, in neutral pronunciation, not even when they are enclitic after verbs) mit ['mɪt, ˌmɪt, mɪt, mɪt] *mit dem*, *-t'm* [ˈmɪtd̪m, ˈmɪtm̯, ˌmɪtm̯, 'mığm, 'mıqm, 'mım, 'mıbm, ˈmɪbm, ˈmɪm, mɪm] mit den, -t'n [ˈmɪtd̪n, ˈmɪtn̩, ˌmɪtn̩, midn, midn, min, min, min], [-m, -m, -n, -n, -ท] *mit der*, *-t'r* [ˈmɪtd̞s̩, ˈmɪts̩, ˌmɪts̩, mıda, mıda, mıa, mıa, mıa] musste ['mustɪ, ˌmustɪ, ˌmusɪ] nach [ˈnaːx̪, ˌnaːx̪, ˌnax̪, nax̪, nex̪] nach dem, -h'm [ˈnaːxdm, ˈnaːxm, ˌnaχṃ, ˌnaχṃ] nach den, -h'n [ˈnaːχd̪n, ˈnaːχn̩, ˌnaːχn̩, nach der, -h'r [ˈnaːχd̞s̩, ˈnaːχs̞, ˌna·χs̞, neben ['neːbm, ˌne·bm, ˌnebm, ˌnem, nebens, -n's, -n das ['neːbm̩dɐs, 'neːbm̞dis, 'ne:bmds, 'ne:bms, 'ne-bms, 'ne-

bms, nems, nems neben dem, -n'm [ˈneːbm̩dm̩, ˈneːbm̞bm, 'neːbmm, 'neːbmm, _'ne·bmm, nebmm, nemm, nem, nem *neben den*, *-n'n* [ˈneːbm̩dn̩, ˈneːbm̩m̩, ˈneːbṃn, ˌne·bṃn, ˌnebṃn, ˌneṃn, nemm, nem, nem], [-m, -m, -n, -n, neben der, -n'r ['ne:bmdя, 'ne:bmя, nebma, nebma, nema, nemal neben die ['ne:bmdi, nebmdi, nebmı, ınemı, ınemı, -ı] nein ['naen, naen, naen, nren], [-m, -m, -n, -n, -n] nicht ['nıçt, ˌnıçt, nıç] *nicht*s ['nıçts, _|nıçts, _|nıçs] (*nix* ['nıks] /'niks/ is a familiar lexical variant, not a reduced form of *nichts*) *nie* [ˈniː, ˌni·, ˌni, ni, nɪ] nun ['nuːn, ˌnu·n, ˌnun, nun, nʊn, nɨn, nʊ], [-m, -m, -n, -n, -n] *nur* [ˈnuːя, ˌnuːя, ˌnuя, nuя, nʊя] oder [ˈʔoːda, ˌʔo·da, ˌʔoda, ˌoda, ˌoda, น_ีสุดม, -วมฺ∫ ohne ['ʔoːnɨ, ˌʔoːnɨ, ˌʔonɨ, ˌonɨ] schon [$\int orn$, $\int orn$, $\int on$, $\int on$, $\int fon$, $\int fon$, ∫n̞], [-m, -m, -n, -n, -n] seid ['zaet, zaet, zaet, zeet] sein [ˈzaen, ˌzaen, zaen, zeen], [-m, -m, -ทู, -ทู, -ท] seine [ˈzaenɨ, ˌzaenɨ, ˌzɐenɨ, ˌzɐnɨ] seinem, sei'm [ˈzaenm̩, ˌzaenm̩, ˌzaemm, zeenm, zeemm, zenm, zemm, zaemi, zaem, zrem] seinen, sei'n [ˈzaenn̩, ˌzaenn̩, zaenː, zaen, zɐen], [-m, -m, -n, -n, -ง] seiner [ˈzaena, ˌzaena, ˌzeena, ˌzena, ˌzana, zna] seines ['zaenis, zaenis, zeenis, zenis, zɨnɨs, ˌzṇɨs] seit ['zaet, zaet, zaet, zeet] sich [ˈzɪç, ˌzɪç, zɪç, zɪḥ, ɪç, ɪḥ] (the last two forms are used after sie/Sie) *sie*, *S*- ['ziː, _|zi[,] , _|zi, zɪ, z_±] sind ['zɪnt, 'zɪnt, zɪn, zɨn, zṇ], [-m, -m, -n, -n, -n

so ['zoː, _|zo^{*}, _|zo, zo, zσ, zɨ] soll ['zɔl, |zol, zol, zo] sonst ['zonst, zonst, zons, zins] -tägigen [-ithergigh, -teg-, -g+g-, -ggh, -gἡ] (zwei-, drei-, ...) über (unstressed) [¡ʔybя̞-, ¡ʔʏ-, -ß-] überm, -r'm, -r dem [ˈʔyːbadm, ˌʔy·badm, 'Pyzbam, 'Pyzbam, 'Pyzbam, 'Sybam, 'λpam', -βam] *übern, -r'n, -r den* [ˈʔyːba̩dn̩, ˌʔy·ba̩dn̩, 'Zy:ban' 'Zy:pan' 'zy.pan' 'zypan' 'Xbяุм, -ßям], [-m, -m, -n, -n, -ŋ] übers, -r's, -r das [ˈʔyːba̩des, ˈʔyːba̩dɨs, 'Py:bads', 'Py:pas', 'Sy.pas', 'Sy.pas', 'Abяs, -вяя] *über die* [ˈʔyːbsˌdi, -ɪ, -ɪ, ˌʔy·-, ˌʔy-, ˌʏ-, -ßя-] *um* [ˈʔʊm, ˌʔʊm, ʊm] ums, um's, um das [Pomdes, Pomdes, 'Pumdş, 'Pums, _|Pums, ums] um'n, um den [ˈʔʊmdn̩, ˈʔʊmm̩, ˌʔʊmm, um, um, um] um die [ˈʔʊmdi, ˌʔʊ-, ʊ-, -ɪ, -ɪ] *und* ['ʔʊnt, ˌʔʊnt, ˌʔʊn, ʊn, ɪn, n̩], [-m, -m, -n, -n, -n] -*und*- [-₁2vnt-, -₁2vn-, -vnt-, -vn-, -±n-, -n-], [-m-, -m-, -n-, -n-, -n-] uns [ˈʔʊns, ˌʔʊns, ˌʊns, ɪns, ns] (the most reduced forms do not occur in rhythm groups which are in intonemes, in neutral pronunciation) unser [ˈʔʊnz¤̞, ˌʔʊ-, ˌʊ-] unsere [ˈʔʊnzəʁɨ, ˌʔʊ-, ˌʊ-, -zʁɨ] *unserem* ['βυπσεκm, 'βυ-, 'α-, -zr-, -xm, nusereu [ˌʒouzərn, -rh, ˈʒo-, ˈo-, -zr-, -¤n, -zn] unserer [ˈʔʊnzəka, ˌʔʊ-, ˌʊ-, -zka, -aa] unseres [ˈʔʊnzəʁɨs, ˌʔʊ-, ˌʊ-, -zʁɨs, -zɨs] unter [ˈʔʊnta̩, ˌʔʊnta̩, ˌʊnta̩] untern, -r den [ˈʔʊntяdn, ˈʔʊntяn, unterm, -r'm, -r dem [ˈʔʊnts̩dm̩, ˈʔʊntạm, ¡ʔʊntạm, ¡ʊntạm] unters, -r's, -r das ['Puntades, 'Puntadis, 'Puntads, 'Puntas, 'Puntas, 'nutas] *ver*- [fes'?-, fs'?-] (*-eisen*, *-arbeiten*, ...) [feя'-, fя'-] (-reisen, -lassen, ...) von [fon, fon, fin, fin], [-m, -m, -ุก, -ุก, -ุง] *vom*, *-n dem* [ˈtɔndm̩, ˈtɔnm̩, ˈtɔmm̩, 'fom, ¡fom, fom, fim, fm] *von'n*, -n den [ˈfɔndn, ˈfɔnn, ˌfσnn, ton, ton:,], [-m, -m, -n, -n, -n] *von'r*, *-n der* [ˈfɔnd¤̩, ˈfɔn¤̩, ˌfσn¤̩] vor [ˈfoːя, ˌfoːя, ˌfoя, foя, foя, fя] vorn, -r den [ˈfoːяdn̩, ˈfoːяn, ˌfoˈяn, ₁foяn, foяn, fσяn, fяn], [-m, -m, -n, -n, -n] (cf adv. [ˈtɔян, ˌtоян]) vors, -r das [ˈfoːяdɛs, ˈfoːяdɨs, ˈfoːяdṣ, 'foːss, ˌfoːss, ˌfoss, foss, foss, fss] *vor'm*, -rm, -r dem [ˈfoːяdm̩, ˈfoːянm̩, to:яmm, to:яm, to:яm, toяm, foяm, foяm, fяm] vor'r, -r der [ˈfoːяda̩, ˈfoːa̩, ˌfoːa̩, ˌfoa̩, fog, fog] *vor die* ['foːяdi, ˌfo-, ˌfo-, -ɪ, -ɪ] vor- [fo's-] (-an, -auf, -aus, -in, -über, [foя'?-] (-ab, -einst; -arbeiten, -eilig, ...) [foя'-] (-bei, -weg, ...) [fog-], [fog-] (-her, -hin, -zu, ...) während ['veːкnt, 'veː-, -к¤t, 'veːяnt, -янt, _|ve⁻-, ve-; [|]veː-] was (non-interrogative) ['vas, ivas, vas, ves wegen [ˈveːgἡ, ˌve·gἡ, ˌvegἡ, veἡ] weil ['vael, vael, vael, veel, vel] wem ['ve:m, 've:m, 'vem, vem, vem] wen ['veːn, |ve·n, |ven, ven, ven], [-m, -m, -n, -n, -ท] wenn ['ven, ven, ven, vin], [-m, -m, -n, -n, -n] wer ['veːя, ˌveːя, ˌveя, veя, veя] werden [ˈveːяdn̩, ˌveˈяdn̩, ˌveяdn̩, vesa, vesa, vesa, -ям], [-m, -m, -n, -n, -n] werde [ˈveːяdɨ, ˌveːя-, ˌveя-, veяt] werdet [ˈveːяdɨt, ˌveːя-, ˌveя-] wider ['viːda, ˌvi·da, ˌvida, ˌvɪda] *wider-* (unstressed) [ˌvida̞-, ˌvɪda̞-]

wie ['viː, ˌvi·, ˌvi, vi, vɪ] wie viel ['viːfil, viˈfiːl, ˌvifɪl, vɪˌfil, ˌvifl] wieder ['viːd¤, ˌvi·d¤, ˌvid¤, ˌvɪd¤] wieder- (unstressed) [vida-, vida-] will ['vɪl, ˌvɪl, vɪl, vɪ] wir ['viːx, 'viːx, 'vix, vɪx, vɪx, vɪx, vɪx] (the most reduced forms do not occur in rhythm groups which are in intonemes, in neutral pronunciation, not even when they are enclitic after verbs) wird ['viяt, 'viяt, viяt, viяt, vɨяt, vạt] wirst ['viast, 'viast, viast, viast, viast, vяst, -s] *wo* ['voː, 'vo', 'vo, vo, vσ] *wo*- [vo'-, vσ'-, v₊-] (-bei, -her, -hin, *-vor*, *-zu*, ...) $[vo'_{\mathsf{K}}, vo'_{\mathsf{L}}, vo'_{\mathsf{L}}], [vo'_{\mathsf{K}}] (-ran, -rauf,$ -raus, -rüber, -runter, ...) worden ['vɔяdn, ,voяdn, vоян, -яи], [-m, -m, -n, -n] wurden [ˈvʊяdn̩, ˌvʊяѣ, vʊяѣ, -ян], [-m, -m, -n, -n] wurde [ˈvʊяdɨ, ˌvʊя-, ˌv邦-] wurdest [ˈvʊяdɨst, ˌvʊя-, ˌvя̞-, -s] wurdet [ˈvʊяdɨt, ˌvʊя-, ˌvя̞-] würden ['vyяdn, ,vyян, vуян, vөян, -яи], [-m, -m, -n, -n]

würde ['vyяdı, ˌvy-, vyяt, vөяt] würdest [ˈvyяdɨst, ˌvy-, -s] würdet [ˈvyяdɨt, ˌvy-] -zehn [-tse:n, -tse:n, -tsen, -tsen, -tsen, -tsn̩], [-m, -m, -n̩, -n̩] -zehnte [-tse:nt+, -tsern-, -tsen-, -tsen-, -tsɨn-, -tsṇ-] zer- [tseя-, tsя-] (-fahren, -rinnen, ...) zu ['tshu:, 'tsu', tsu', tsu, tsu, tsɪ] zum, zu dem [ˈtshuːdm̩, ˌtsu·dm̩, ˌtsudm, tsum, tshum, tsum, tsum, tsim, zur, zu der [ˈtshuːda̩, ˌtsuˈda̩, ˌtsuda̩, ˈtshuːя, ˌtsuˈя, tsuˈя, tsuя, tsuя, tswя, zu'n, zu den ['tshuːdn̩, 'tsuˈdn̩, 'tsudn̩, ˈtshuːn̩, ˈtshuːn, ˌtsu·n, tsu·n, tsun, ชบท, ซะท, ซกุ], [-m, -m, -ทุ, -ทุ, -ทุ, -ทุ -zu- [-tsu-, -tsu-, -tsu-] (ab...holen, ...) zusammen [tshuˈzamm̩, tsu-, tsu-, tsɪ-] zwar [ˈtshßaːя, ˌtsßaːя, ˌtsßaя, tsßaя, ឋន្ទឹឧ, ឋន្ទឹន្ស *-ren*, *-r'n* (after –short or long– stressed V, where /Rn/ [RN, RH] becomes /Rn/ [ям], through ‹/ˌRn/›) $[-iV(x)R\dot{N}, -iV(x)R\dot{H}, -iV(x)RN, -iV(x)RH],$ [-m, -m, -n, -n].

Taxophonics

5.3.2.1. There are various other ways of simplifying words –and above all sentences— which make speech easier and more fluent, but less (clear) to foreigners. It is important, thus, to know the mechanisms implied, both to understand better and move closer to the native speakers' genuine pronunciation, and to be understood better. Following Kohler (1977, 1995², § 6.3.1), we will give several cases, by appropriately integrating and completing them.

We have already seen that sequences of [NN] /NN/, in fast speech, are possible only in preintonemes: [dɪˈʔapɡ̊ɨʃˌnɪtnn ˈʁoːzn] die abgeschnittenen Rosen, but: [ˈnɪm dɪˈʔapɡ̊ɨʃˌnɪtnɨn] nimm die abgeschnittenen.

5.3.2.2. Often -e [1] /ə/ of the present-tense first person singular is dropped, provided this does not produce any [N] (ie intense nasal): [(?1)ç'max[] /ɪç'max(ə)/ ich mach', ['max[] /ˈmax(ə)ɪç/ mach' ich, [(?1)ç'hab+s g+ze:n, -b-] /ɪç'hab(ə) əsqə'ze:n/ ich

hab' es gesehen, ['haːbɪç, -bɪç] /ˈhaːb(ə)ɪç/ hab' ich, [ˈleːzɪç, -zɪç] /ˈleːz(ə)ɪç/ les' ich, and [ˈʔœfnɪc] /ˈœfn(ə)ɪç/ öffn' ich, [ˈʔaːtmɪc] /ˈaːtm(ə)ɪç/ atm' ich, but: [(ʔɪ)çˈʔœfnɪt] /ɪçˈœfnə/ ich öffne, [(ʔɪ)çˈʔaːtmɪt] /ɪçˈaːtmə/ ich atme; in the past tense, -e [ɪt] /ə/ may be dropped, before an enclitic ich, provided the verb does not end in -ete [ɪtɪ] /ətə/: [ˈmaxtɪç] /ˈmaxt(ə)ɪç/ macht' ich, [ˈduɪftɪc] /ˈduɪft(ə)ɪç/ durft' ich, but: [ˈʔœfnɪtɪˌʔɪc] /ˈœfnətəɪc/ öffnete ich, [ˈʔaɪˌbaetɪtɪˌʔɪc] /ˈaɪɪbaetətəɪc/ arbeitete ich. Even -e [ɪ] /ə/ belonging to nouns may often be dropped while maintaining the C voiced or half-voiced: [ˈliːbun ˈlaet, -b-] /ˈliːb(ə) untˈlaet/ Lieb' und Leid.

We have already dealt with the assimilation of place of articulation to a following C for /t, d, n, n, s/ (§ 5.2.1-2 & 5.2.4). We have also mentioned some alternations, especially for approximants and /R/ (§ 5.2.4-5).

5.3.2.3. As already seen, /n/ assimilates to a preceding C; but /n/ remains unchanged when -e- /ə/ [ɨ] is dropped (and a voiced syllable-final –but lexeme-internal– C does not become voiceless): [ˈkhɔmm̩] /ˈkɔmn̩/ kommen, [ˈleːbm̩t] /ˈleːbn̩t/ lebend, [ˈʔeːbm̩] /ˈeːbn̩/ eben (but: [ˈʔeːbnɨ] /ˈeːbnə/ ebne, unchanged); [ˈfaŋn̩] /ˈfannen, [ˈjuːgn̩t] /ˈjuːgn̩t/ Jugend, [fa̞ˈloːgn̩] /fa̞ˈloːgn̩/ verlogen (but: [fa̞ˈloːgnɨ] /fa̞-ˈloːgnə/ verlogne, unchanged). Even double assimilation occurs (but not in intonemes): [ʔaofˈʔeːbm̞m ˈʃtʁ̞aːsn̩] /aofˈeːbn̞ən ˈʃtʀaːsn̩/ auf ebenen Straßen, [d̪ɪˈʔaenɡ̞ɨ-ʃlaːgn̩n/ ˈveːgɨ] /diˈaenɡeʃlaːgnən/ die eingeschlagenen Wege.

Even after nasals (which may be intense or not), /t, d/ can assimilate, if they are unexploded: [ˈhɛmt, -mp] /ˈhɛmt/ Hemd, [ˈhɛmdn, -mbm] /ˈhɛmdn/ Hemden, [dɪ-ˈiuːgnt ˈʔamˌfɔxʌn, dɪˈiuːgnk] /diˈjuːgnt ˈanfɔxʌn/ die Jugend anfeuern, [dɪˈɡeːɡnt ˈʔanˌzeːn, dɪ-ˈgeːgnk] /diˈɡeːɡnt ˈanzeːn/ die Gegend ansehen, [dɪˈɡeːɡndn ˈʔanˌzeːn, dɪ-ˈɡeːgnˈgn] /diˈɡeːgndən ˈanzeːn/ die Gegenden ansehen, [b̞tʔamtn, -mpm] /beˈamtn/ Beamten, [b̞thaoptn, -ppm, -pm] /bəˈhaoptn/ behaupten, [dɪˈleːbndn ˈlaedn, -bm-bm] /diˈleːbndən ˈlaedn/ die Lebenden leiden.

5.3.2.4. Frequently, the sequence /gn/ assimilates as well (and also /bn, dn/, even if preceded by N, with a subsequent reduction): [sˈʁ̞eːgnɨt, sˈʁ̞eːŋnɨt] /əsˈneːg-nət/ es regnet, [ˈʔagnes, ˈʔaŋnes] /ˈagnes/ Agnes, [magˌnifiˈtshɛnts, maŋˌn-, -ɪfɪ-] /mag-nifiˈtsɛnts/ Magnifizenz, [zɪgˈnaːl, zɪŋˈnaːl] /zɪgˈnaːl/ Signal, [ˈvaːgnʌˌ, ˈvaːŋnʌ̞] /ˈvaːg-nʌˌ/ Wagner; [ˈʔeːbnɨ, ˈʔeːmnɨ] /ˈeːbnə/ ebne, [ˈleːbnɨ, -mmt] /ˈleːbnɨ/ lebend, [ˈʁeːdnʌˌ, ˈʁeːnnʌ̞] /ˈreːdnʌˌ/ Redner, [ˈveːɪdnˌ, -nn̩] /ˈveːɪdn/, werden, [ˈfɪndnˌ, ˈfɪnn] /ˈfɪndn/ finden, [ˈhɛmdn, -mbm, -mm] /ˈhɛmdn/ Hemden (cf above).

Even sequences of *N* + a voiced stop can undergo nasal assimilation: [no'vɛmb¤, -mm¤] /no'vɛmb¤, /November, ['ʔumbħhaltn, 'ʔummħ-] /'umbħhaltn, umbħhaltn, [tshum'baeʃpirl, -m'm-] /tsum'baeʃpirl/ zum Beispiel, ['bundħsˌbank, 'bunnħs-] /'bundħsbank, ['vandəв¤, 'vannə-] /'vandərp, ('vund¤har 'vunn¬-] /'vund¤har / wunderbar, [tshu'mɪndəst, -ɪnnħst] /tsu'mɪndəst/ zumindəst, ['ʔungħvis, 'ʔunnħ-] /'ungəvis/ ungewiss, ['ʔangħgerbm, 'ʔannħ-] /'angəgerbn/ angegeben, ['ʔangærbm, 'ʔannħ-] /'angərl / Ungar.

5.3.2.5. A /t/ occurring between C, in non-slow speech, is generally dropped: [ˈʁɛsl̞ɪç̞] /ˈʀɛstlɪc̞/ restlich, [ˈʃʁɪfl̞ɪc̞] /ˈʃʀɪftlɪc̞/ schriftlich, [ˈʁɛc̞lɪc̞] /ˈrec̞tlɪc̞/ rechtlich,

[b̄tʔaχl̄ις] /bəˈaxtlīς/ beachtlich, [ˈʔɛnlīς] /ˈɛntlīς/ endlich, [ˈvɛlˌkhurgl̩] /ˈvɛltkuːgl̞/ Weltkugel (but: [ˈhalpˌkhurgl̩] /ˈhalpkuːgl̞/ Halbkugel, [ˈhalpˌtshaet] /ˈhalptsaet/ Halbzeit), [ˈvɪstʃaf ʔtmfiˈnantsn̩] /ˈvɪstʃaft untfiˈnantsn̩/ Wirtschaft und Finanzen, [ˈʔɛmˌvusf] /ˈɛntvusf/ Entwurf, [ˈʔaens ˈʃtʁɪtn̩, -nʃ ˈʃ-, -n ˈʃ-] /ˈaenst ˈʃtrɪtn̩/ einst stritten, [tshuˈmɪndəs ˈtshβae] /tsuˈmɪndəst ˈtsvae/ zumindest zwei, [ˈj̄ɛts tsuˈhaozt] /ˈjɛtst tsuˈhaozə/ jetzt zu Hause, [b̞əˈʁɛçtɪçtt, -çıçt] /bəˈκɛçtɪçtə/ berechtigte. In unstressed positions, we frequently find reduced forms (cf § 5.3.1.2) without /t#/ for ist, nicht, und.

Even /ts/, after C, can become [s]: ['glants, -ns] /'glants/ Glanz, [ṣ'hɛltst, -lst] /ṣ-'hɛltst/ erhältst, ['stse:nɨ, 'sse:-, s'se:-] /'stse:nə/ Szene, [tshuˈmɪndəs 'sßae] /tsuˈmɪndəst 'tsvae/ zumindəst zwei, ['jɛts suˈhaozɨ] /'jɛtst tsuˈhaozə/ jetzt zu Hause, [ˌdastsuˈʃtɛndɪ-gɨ, ˌdassu-] /dastsuˈʃtɛndɪgə/ das zuständige, [ˈhøːçst tsuˈfʁiːdn, -çs su-] /ˈhøːçst tsuˈfʀiːdn/ höchst zufrieden.

The most frequent case occurs after /N/, for stops and stopstrictives: [¤ˈhɛltst, -lst, -lst, -lst] /¤ˈhɛltst/ erhältst; in addition: [ˈkhampf, -mpf, -mf] /ˈkampf/ Kampf, [ˈglants, -nts, -ns] /ˈglants/ Glanz, [ˈgants, -nts, -ns] /ˈgants/ ganz, [ʔemˈpfhanɨn, ʔemp-ˈfa-, ʔemˈpfanˌn/ empfangen, [ˈthwɛntʃ, -nʃ] /ˈtrɛntʃ/ Trench; more: [ˈmumps, -ms] /ˈmumps/ Mumps, [ˈphwɔmpt, -mt] /ˈprɔmpt/ prompt, [ʔentˈʃuldɪgɨn, ʔenˈʃ-] /ˈentˈʃuldɪgɨn/ entschuldigen (cf § 5.2.3.1, too), [ˈsfɪŋks, -ŋs] /ˈsfɪŋks/ Sphinx, [ˈphunkt, -ŋt] /ˈpunkt/ Punkt.

5.3.2.6. In fast speech, between vowels and in unstressed syllables, /b, g/ can be realized as [ß, x]: [ˈhaːbɨ, -ßɨ] /ˈhaːbə/ habe, [ˈleːgɨ, -ɣɨ] /ˈleːgə/ lege; /t/ can become [ŋ]: [ˈbɪtɨ, ˈbɪnɨ] /ˈbɪtə/ bitte. Under the same conditions, voiceless stops and constrictives may become half-voiced or totally voiced: [desˌhataˈdɔx gəˈmaxt, -d-, -d-] /dashataˈdɔx gəˈmaxt/ das hat er doch gemacht, [desʃʃaːfiç ˈdɔxˌnɪct, -v-, -v-, de/ʃ-] /das-ˈʃafiç ˈdɔxnɪct/ das schaff' ich doch nicht, [desˌmusɪc̞ˈmaxn/, -z-, -z-] /dasmusɪc̞ˈmaxn/ das muss ich machen, [desˈmaxɪc̞ ˈdɔxˌnɪc̞t, -ʁ̞-, -ʁ-] /dasˈmaxɪc̞ ˈdɔxnɪc̞t/ das mach' ich doch nicht (obviously, because of ambiguity for native speakers —which, however, does not coincide with foreigners' ambiguity!— this typical fast-speech neutralization is avoided).

Voiced stops are realized as half-voiced, both after pauses and after voiceless C: ['busk] /'burk/ Burg, ['mes|barg] /'mesbarg/ messbar, ['de:nun] /'de:nun/ Dehnung, ['dasdu'?et] /dasdu'et/ das Duett, ['gurt] /'gurt/ gut, ['Paosige:n] /'aosge:n/ ausgehen.

5.3.2.7. *Geminates*, whether normal or with an intense element, can be simplified. Thus, *N* in final position: ['khɔmm̩, -mː, -m] /ˈkɔmn̩/ *kommen*, [ˈʔeːbm̩, -mm̩,

-m:, -m] /ˈeːbn/ eben, [ˈnɛnn, -nː, -n] /ˈnɛnn/ nennen, [ˈhɛŋn/, -nː, -n] /ˈhɛnn/ hängen, [ˈleːgn/, -nɪ, -n] /ˈleːgn/ legen. Please, note that kommen and nennen can become identical with komm! and nenn! – however, in case of ambiguity, obviously, distinct forms are used.

Geminates derived by assimilation can be reduced when they occur between stressed and unstressed syllables: [ˈliːbm̩sˌveː¤t, -mm̞-, -m-, -m-] /ˈliːbn̩sveː¤t/ liebens-wert, [ˈbundɨsmɨnisˌteɪˈgum, -nn-, -n-, -mɪ-] /ˈbundəsmɨnisteːrjum/ Bundesmɨniste-rium, [ˈʔandˌ¤s, -nn-, -n-] /ˈandˌ¤s/ anders, [ˈʔangəˌgeːbm̩, -ŋŋ-, -ŋ-] /ˈangəgeːbn̩/ ange-geben. In addition to [ˈʃtʁ̞oːˌmɛŋə] /ˈʃtʀoːmɛŋə/ Strohmenge, we can also have [ˈʃtʁ̞oːmˌmɛŋə, -m-] /ˈʃtʀoːmmɛŋə/ Strommenge, with possible reduction; however, in case of ambiguity, no reduction occurs.

Geminate stops can be reduced to their second element, when they are very similar: [ˈʔapˌbɪlt, ˈʔaˌbɪlt] /ˈapbɪlt/ Abbild, [ˈʁaːtˌdampfa, ˈʁaːˌd-] /ˈʀaːtdampfa/ Raddampfer, [ˈmɪtˌthaeln, ˈmɪˌth-] /ˈmɪttaeln/ mitteilen, [ˈmɪtˌtsheːln, ˈmɪˌtsh-] /ˈmɪttsɛːln/ mitzählen, [ˈvɛkˌkhomm, ˈvɛˌkh-] /ˈvɛkkomn/ wegkommen, [ˈvɛkˌɡ̊eːn, ˈvɛˌg̊-] /ˈvɛk-geːn/ weggehen. The same holds for grooved constrictives: [d̞ɛsˈsɛlbɨ, d̞ɛsˈz̞-, d̞ɐˈs-] /dasˈzɛlbə/ dasselbe, [d̞ɛsˈʃɪf, d̞ɐʃʃ-, d̞ɐˈʃ-] /dasˈʃɪf/ das Schiff, [ˈʔaesˌʃʁ̞aŋk, -ʃʃ-, -ʃ-] /ˈaes-ʃʀaŋk/ Eisschrank. Instead, the /çs/ sequence, as we have already seen, has a couple of possible variants: [ˈhøːçst, -ḥst, -çṣt] /ˈhøːçst/ höchst, whereas /sç/ is only slightly modified: [ˈbʊṣçn̩] /ˈbɪsçn/ bisschen.

5.3.2.8. From the above, a phonation-type difference can become almost functional in three ways: [ˈʔapˌbɪlt, ˈʔaˌbɪlt] /ˈapbɪlt/ *Abbild*, in comparison with [ˈʔaːpl̩] /ˈaːpl̩/ *Apel* and [ˈʔaːbl̩] /ˈaːbl̩/ *Abel*. Let us also consider: [ˈmɛndlˌzoːn] /ˈmɛndlˌzoːn/ *Mendelsohn*, [ˈmɛndlˌsorn, -lˌs-z-, -lˌs-] /ˈmɛndlˌszoːn/ *Mendelssohn*.

If the geminates are produced by assimilation of place (of articulation), they can be reduced (provided the syllable of the first element is unstressed): [¡ʔɪmmuˈzeːn, ˌʔɪmu-] /ɪmmuˈzeːn/ in Museen, [mɪkˈkhaяl, mɪˈkh-] /mɪtˈkaʀl/ mit Karl, [ˌmagnifi-ˈtshɛnts, ˌmaŋn-, ˌmaŋ-, ˌmaŋ-, -ɪfɪ-] /magnifiˈtsɛnts/ Magnifizenz, [tshumˈbaeʃpiːl, -mˈm-, -ˈm-] /tsumˈbaeʃpiːl/ zum Beispiel, [tshuˌmɪndɪsˈdasˌda·, -ɪnn-, -ɪn-] /tsuˈmɪndəst ˈdasdaː/ zumindəst das da.

We have, though: ['ʔamˌmeldn̩] /ˈanmɛldn/ anmelden, [ˈmɪkˌkhomm̩] /ˈmɪtkɔ-mn/ mitkommen, [ˈb̞koːkˌkhaofm̞] /ˈbʀoːtkaofn/ Brot kaufen, [ˈʁaːkɡ̊tˌfaːkn̩, -ʁa̩, -ˌfaˈяn, -ян̄] /ˈraːtgəfaːrn/ Rad gefahren, [ˈʔamˌbɪndn̩, ˈʔamˌm-] /ˈanbɪndn/ anbinden, [ˈʔagnes, -ŋn-, -ŋŋ-] /ˈagnes/ Agnes, [ˈʔaŋˌgeˈbm̩, ˈʔaŋˌŋ-, -eˈmm̩, -eˈm̩, -eˈm] /ˈangeːbn/ angeben, [ˈb̞vndɨs, -nn-] /ˈbvndəs/ Bundes, [ˈvandəka, -nn-] /ˈvandərk/ Wanderer.

5.3.2.9. In sequences of /n, l/ + voiceless constrictives, homorganic (and homophonic) stops can be inserted (although this characteristic denotes a less careful pronunciation which it is better not to follow): ['Pamt, -mpt] /'amt/ Amt, ['gams, -mps] /'gams/ Gams, ['wamʃ, -mpʃ] /'Ramʃ/ Ramsch, ['zemf, -mpf] /'zenf/ Senf, ['gans, -nts, -nts] /'gans/ Gans, ['di:nst, -ntst, -ntst] /'di:nst/ Dienst, ['menʃ, -ntʃ, -ntʃ] /'menʃ/ Mensch, ['manç, -ntç, -nkç] /'manç/ manch, ['hent, -nkt] /'hent/ hängt, ['henst, -nkst] /'henst/ Hengst, [q'helst, -ltst, -ltst] /q'helst/ erhellst. This frequently occurs for /nz, lz/ as well: ['Ponzq, -ndzq, -ndzq] /'unzq/ unser, ['Palzo, -dzo, -dzo] /'alzo/ also.

5.3.2.10. Certainly, the transcriptions seen thus far are useful to conveniently separate German spelling from its phonic structure, which might seem rather strange to foreigners. But this is reality. Here are some examples for reflection: ['Pap,kaezt] Abreise, ['the:klıç; 'the:k-] täglich, ['munt,Pastn] Mundarten, ['Pun,Paof-kıçtıç, -f,kıç-] unaufrichtig, [faPap,ke·dun] Verabredung, [btPa:pmm, -tmm] beatmen...

It is obvious then that German has very complex consonant sequences; here we will give just one example: ['hɛsps(t)|blets|] Herbstblätter. Please, note carefully even the spelling sh /s#h/: ['landsshaoshalt] /'landsshaoshalt/ Landeshaushalt.

Stress

5.3.3.1. In long words and in sentences, there are unstressed syllables that alternate with stressed or half-stressed ones. Even rhythm groups follow the same principle; and all this is already clear from the transcriptions we have given.

German compounds have particular patterns. The most normal and widespread one shows a primary stress on the prominent syllable of the first lexeme and reduced stresses on the ex-prominent syllables of succeeding lexemes.

Here are some examples of two-lexeme compounds: ['ʃɪfˌfaˈst] Schifffahrt, ['dampfˌʃɪf] Dampfschiff, ['baːnˌho·f] Bahnhof, ['ʔaeznˌbaˈn] Eisenbahn, ['hoːxˌdɔʏtʃ] Hochdeutsch, ['fʁ̞yːˌʃtʏk] Frühstück, ['ʔaotoˌbaˈn] Autobahn, [faˈmiːljˌnˌnaˈmɨ] Familienname, [ˈmunt-hasˌmo·niˌka] Mundharmonika, [ˈʃuːˌmax̞s̩] Schumacher.

It is useful to note that phonemic transcriptions, which do not mark secondary stresses, naturally imply such a reality. Therefore, pronunciations as the following for four of the compounds just seen are typically foreign-like (in this case Italian): \([\fiftificitart, \dam:\int if, \dam:\int ican \frac{1}{2}\). We cannot help ending with an observation on the compound *Schuhmacher* and its derived family name *Schumacher*, which is generally pronounced by Spanish-, Portuguese-, and Italian-speaking people with peculiar stress patterns that we will illustrate here using the Italian ones: currently \(\lam{\left} \left(\left\) u'ma:ker\right], up to an ugly hybrid, which is neither German nor Romance: \(\left(\frac{1}{2}\) u-maxer\right).

5.3.3.2. Let us also consider: [çeˈmiːˌfaˈz¤̩] *Chemiefaser*, [çeˈmiːˌvɛяk] *Chemiewerk*, [ˈɡ̊øːtɨˌʔɪnstiˌthu·t] *Goetheinstitut*, [ˈfaːaˌphlan] *Fahrplan*, [ˈʔanʃtalt] *Anstalt*, [ˈmɪtˌthaˈk] *Mittag*, [ˈfaːt¤ˌlant] *Vaterland*, [ˈfɛltˌmanʃal] *Feldmarschall* (and often [ˈfɛltmanʃal, ˌfɛltˈmanʃal] for rhythmic reasons).

With three lexemes (paying attention that the kind of stress we mark here as [,] is weaker than [,] and is not normally written, even because it can be completely reduced, although its syllable maintains the original characteristics of length, vowel timbre, and consonant consistency, including possible (aspiration)): [çeˈmiːfa-zaˌveak] Chemiefaserwerk, [ˈmɪtˌtha·ksˌtshaet] Mittagszeit, [ˈfaːtaˌlantsˌli·bɨ, -nts-] Vaterlandsliebe.

More: [ˈvɪlt̞ʃβaeŋsˌkhopf] Wildschweinskopf, [ˈʃβɪmˌʔanʃtalt] Schwimmanstalt, [ˈnaːχˌmɪtˌthaːk] Nachmittag, [ˈʔaltˌhoːχˌdɔxtʃ] Althochdeutsch, [ˈhaoptˌʔaofˌġa·bɨ]

Hauptaufgabe, [ˈʃtɔʏ¤ˌʔaenˌne·m¤] Steuereinnehmer, [ˈvɛltˌʔanʃaoʊn] Weltanschauung, [ˈɡ̊ɛltˌʔanˌla·gɪ] Geldanlage, [ˈnaːχˌʔa¤ˌbaetɪn] nacharbeiten.

5.3.3.3. However, rhythm often produces changes, especially in intonemes. Thus, stress patterns as the following are actually more frequent, although they are not always fully perceived (or accepted): ['ʃβɪmˌʔanˌʃtalt, 'naːχˌmɪtˌtha·k, 'ʔaltˌhoːχ-ˌdɔʏtʃ, 'haoptʔaofˌg̊a·bɨ, 'ʃtɔʏxˌʔaenˌne·mʌx, 'vɛltʔanˌʃaoun, 'g̊ɛltʔanˌla·gɨ, 'naːχˌʔaxˌbae-tn̩], and [ˌvɪltˈʃβaenˌkhopf], too.

With four lexemes we can have: [ˈʔaeznˌbaːmˌfaːsˌphlaːn] Eisenbahnfahrplan, [ˈnaːxˌmɪtˌthaːksˌtshaet] Nachmittagszeit; but rhythm often makes [ˈnaːxˌmɪtˌthaːks-

itshaet], or even [naximititharksitshaet] preferable.

With five or six (lexemes): [ˈkhʁ̞aftˌfaˈяˌtshɔʏk ˈhaftˌpfhl̞ɪçtf¤ˌzɪçəʁʊn] Kraftfahr-zeughaftpflichtversicherung, [ˈʃpiːlˌvaˈʁn ˈʔaosnˌhandl̞sg̞ɨˌzelʃaft] Spielwarenaußen-handelsgesellschaft, [ˈhoːχˌvakuʊm ˈlɪçtˌboˈg-ŋʃmeltsˌʔoˈf-m] Hochvakuum-Lichtbogen-Schmelzofen. They generally attenuate the beginning, becoming: [ˌkhʁ̞aftˌfaˈя-, ʃpiːlˌvaˈʁn-, hoˈxˌvakuʊm-].

5.3.3.4. There are even cases where secondary stresses actually determine the meaning of certain compounds: ['dampfsfiffarst] Dampfschifffahrt (steamboat voyage), ['dampfsfiffarst] Dampfschifffahrt (steam navigation). In cases such as these, of course, rhythmic fluctuations are less frequent, although context must (and can) help very much.

We also find some compounds which do not bear primary stress on their first lexeme, as: [ˌjaˈsiˈsheːnt] Jahrzehnt, [ˌʔoˈsta̞ˈmoːnˌtaˈk] Ostermontag, [ˌʃβastsˈvaes] schwarzweiß, [ˌʁoˈtˈkhʁ̞ɔʏtsˌʃβesta̞] Rotkreuzschwester, [ˌzaˈsiˈbuykˈŋ] Saarbrücken. Others have more than one primary stress: [ˈblao ˈɡʁyːn] blau-grün, [ˈdum ˈʃtɔlts] dumm-stolz, [ˈʃleːsβiç ˈhɔlʃtaen] Schleswig-Holstein; however, they can become [ˌblaoˈɡʁyːn, ˌdumˈʃtɔlts, ʃleːsβiçˈhɔlʃtaen], mostly in preintonemes.

Let us observe: ['blao 'gʁyːn] *blau-grün* (blue and green (ie two colors put alongside, as in a flag or sports T-shirt)) and ['blao ˈgʁyːn] *blaugrün* (bluish green, water green (ie two colors blended together, as painters do)).

5.3.3.5. The faster speech becomes, the more non-primary stresses can be reduced % dropped, mostly in preintonemes. On the contrary, if speech becomes slower, the stresses can be restored. In particular in intonemes, the last non-strong stress can often be strengthened (we will mark it only here with [,]): ['Paoto, Darn; 'Pan, Talt, Palt, Palt, Paoto, Paof, Paof, Paof, Paezn, Darm, Farg, Phlan; Ppil, Vark, Paosn, Pandlsgt, Zel, Saft, -gt, Zel, Saft; hox, vakuom'liçt, borgh, melts, Porfm, -, melts, Porfm].

There are frequent cases of (homographic) compounds with (stressed or unstressed) prefix grammemes, which (in their unitary –non-inflected– forms) is the most important element of semantic differentiation: übersetzen ¹[ʔyɪbaˌzetsn̩] ‹to pass over›, ²[ˌʔybaˌzetsn̩, ˌʔy-] ‹to translate›, umfahren ¹[ʔumˌfaˈun, -uˈa, -aˈan, -aˈan] ‹to run down›, ²[ʔumˌfaˈun, -uːa, -aːan, -aːan] ‹to drive/sail round›.

Generally, compounds with unstressed monosyllabic suffixes have /1, ϑ , η , η , η , l,

R/, even without secondary stresses (except for rhythmic reasons, when several unstressed syllables are arranged in sequence, as happens for [-laen] -lein, [-un] -ung as well): ['vύntlɪç] wöchentlich (['vœçntlɪçn, -lɪçn] wöchentlichen).

5.3.3.6. Other unstressed monosyllabic suffixes always bear a secondary stress: ([-,ba'я] -bar, [-,haft] -haft, [-,haet] -heit, [-,kaet] -keit, [-,lan] -lang, [-,lɪn] -ling, [-,lors] -los, [-,ma'l] -mal, [-,za'l] -sal, [-,za'm] -sam, [-,faft] -schaft, [-,tu'm] -tum, [-,fol] -voll, [-,veяts] -wärts); for example: ['kaen,haet] Reinheit, ['Pɛnt,lors] endlos.

Let us further consider (and notice that not fully stressed grammemes have no caspiration): [-ɪçˌkaet] -igkeit, [-ˌhaftɪçˌkaet] -haftigkeit, [-ˌlorzɪçˌkaet] -losigkeit. There are further rhythmic oscillations: ['Pamˌmenkunn, 'Pammenˌkunn] Anmerkungen, ['Panˌbaetəˌʁɪnn, 'Panbaetə-ˌ] Arbeiterinnen; mostly with un-: ['PunˌPanʃtendiç, 'PunˌPanʃtendiç] unanständig, ['Punˌfonˌzıçtɪç, 'Punˌfonˌzıçtıç] unvorsichtig, as for unaufrichtig (at the end of § 3.2), for which emphasis or emotion often produce: [,PunPanʃtendiç, ,PunPaofˈʁ̞ɪçtɪç, ,Punfonˈzıçtɪç].

Let us finally recall that German words are not all stressed on their first syllable (as too hastily certain textbooks ‹describe› or ‹prescribe›), mostly for prefixed forms or (even old) loanwords: [zoˈfɔяt] sofort, [ġtˈnao] genau, [ġtˈfondn] gefunden, [moˈmɛnt] Moment, [maˈʃiːnt] Maschine; [phʁoˈfɛsoя] Professor (with its ‹trouble-some› [ˌphʁofɛˈsoɪʁn, -ʁn, -яn, -яn] Professoren). In addition, we find forms such as: [daˈbae] dabei, [hɪˈnaos] hinaus, [voˈheɪя] woher, which for emphasis become: [ˈda-bae, ˈhɪˌnaos, ˈvoˌheɪя].

5.3.3.7. Another characteristic of German stressing is final (destressing) of verbal forms, mainly auxiliaries and modals (and suchlike), infinitives and past participles. As a matter of fact, instead of an (expectable) stress pattern, which can normally be found –in various languages– at the end of intonemes, we find this kind of (destressing) which corresponds to the following typology.

With compound verbal forms (thus including: future, conditional, passive, modals with dependent infinitives): das 'dürfte 'richtig sein; sie 'mag 'Recht haben; sie 'soll sehr 'tüchtig sein; ich habe 'Cola bestellt; er ist 'schlafen gegangen; ich habe es 'nicht gewollt; ich bin nach 'Rom gefahren; er wird 'wohl zu 'Hause sein; er ist verhaftet worden.

Also: er hat ihn 'fahren lassen; sie hatten mir den Brief 'schreiben helfen; das 'Auto wird bis 'morgen repariert; ich muss 'jetzt nach 'Hause gehen; ich würde 'gern 'Rot-wein trinken; ich habe ihn 'fahren gelehrt; willst du ins 'Kino gehen?

Naturally, the (strange) effect of destressing increases when there is more than one infinitive form: 'Karin hat den 'Brief schreiben müssen; sie hätten 'nicht kommen sollen; ich habe um '3 Uhr 'schlafen gehen müssen.

5.3.3.8. Cases such as the following are interesting too: 'machen Sie die 'Rechnung fertig, 'halten sie die 'Pässe bereit, where the non-conjugated form of the verb is an indeclinated adjective; the old orthography used to give: fertigmachen, bereithalten, instead of: fertig machen, bereit halten.

For subordinate clauses, we have conjugated forms in the last position, infinitive

ones with um ... zu: sie 'kann 'nicht _ikommen, _iweil sie 'morgen _isehr 'früh 'auf_istehen _imuss (except when dependent infinitives are more than two: sie ist _isehr 'müde, _iweil sie, 'heute 'Morgen, 'sehr _ifrüh hat 'auf_istehen _imüssen; ich 'hoffe, _idass er die 'Rechnung _ihat be'zahlen _ikönnen; ich 'hoffe, _idass sie _ieine 'neue 'Wohnung hat 'finden _ikönnen); ich 'fürchte, _idass er 'Recht _ihat; der 'Arzt _iwollte 'wissen, _iob er 'Fieber ge_ihabt _ihabe; sie 'sagt, dass _iihre 'Kinder im 'Garten _ispielten; ich 'glaube, _idass sie 'nicht 'hier _iist; ich 'weiß, dass er vor _izwei 'Jahren _iope'riert _iworden _iist; ich 'brauche 'nicht zu _iantworten; es ist 'immer 'besser, 'pünktlich _ianzu_ikommen; um 'pünktlich _ianzu_ikommen, _imüssen wir die 'U₁Bahn _inehmen. The constructions with modals and infinitives in the last position are to be noticed too: du 'solltest zum 'Arzt _igehen.

With inflected separable verbs, postponed particles generally bear primary stresses ([']); however, it is often weaker (up to a secondary degree), thus we will indicate it here with ["]: sie 'kommt 'morgen "an, ich 'lege es "bei, du 'rufst "an, er 'gab den 'Kampf "auf, das 'Dach 'springt "über.

Let us add some typical examples, since the concepts expressed by some words can (or must) come out: 'Anna darf 'nicht 'mitkommen; der 'Brief 'wurde von 'mir geschrieben. More: 'kann man 'hier 'schwimmen? (two concepts), however: 'können Sie Kla'vier 'spielen? something like... <to piano >; 'morgen, 'muss ich 'fliegen; ich muss 'morgen fliegen (ie fliegen is already known).

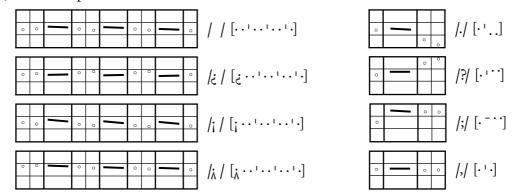
When no complement or predicate is present, destressing certainly does not occur, as in the following sentences, where verbs are preceded only by words (and concepts) with very low information power: 'kann ich 'mal telefo'nieren?; er 'fuhr in die 'Ferien, um sich zu erholen; er 'ließ das Restau'rant, 'ohne zu be'zahlen; 'bitte, 'bleiben Sie doch 'sitzen. Let us further consider the following examples: das ist be'stimmt 'unabsichtlich geschehen; er hat ge'sagt, dass es 'unabsichtlich geschehen ist; er hat ge'sagt, dass es 'unabsichtlich genacht worden sein kann; er hat ge'sagt, dass es 'unabsichtlich genacht worden sein könnte. Here, the particular syntactic structure of German subordinate clauses, with verb phrases at the end of sentences, makes it possible for the last primary stress to be followed by a considerable number of syllables.

Intonation

- 5.3.4. fig 5.4 shows neutral German intonation. Each tonogram must be analyzed very carefully. Here we will simply provide examples for the three marked intonemes. In § 5.3.1.1, the third and fourth utterance (of the second group of examples, before the reduced-form list) show mid-pitch parentheses (cf § 13.24 of NPT/HPh), which is also typical of German and French. Here is another example: ... und, wenn es möglich zu machen wäre, ... Others may be found in the transcriptions of the text (§ 5.5):
- /./: [ʔɪçˈsuːx̞ᠯ ʔaemˈmøːbl̞g̞ᠯʃɛft..] /ɪçˈzuːxə aenˈmøːbl̞gəʃɛft./ *Ich suche ein Möbelge-schäft*.
- /?/: [¿ˈkhɔmmzi ʔaosˈʔøːstʌˌʁaeç¨] /¿ˈkɔmnzi aosˈøːstʌˌʀaeç?/ Kommen Sie aus Österreich?

/;/: [¿ˈfaːʁnzi nax¯dvslˌdoяf ˈ| (ʔˌo·dя̩ˈmakd̞ғˌbuяk..)] /¿ˈfaːʀnzi naːxˈdvsl̩dɔʀf; (oːdʀ-ˈmakdəbuʀk.)/ Fahren Sie nach Düsseldorf oder Magdeburg?

fig 5.4. German preintonemes and intonemes.



Other accents

5.4.0. As we have already said, we think it important to present, in addition to neutral pronunciation, at least some accents, not only for useful comparisons, but also to be ready to grasp the pronunciation characteristics of German outside the former (West Germany). We will start from former (East Germany) (ex DDR, ie the present-day north-eastern part of reunified Germany), to Austria, Switzerland, and South Tyrol (or Alto Adige), to understand different accents better and more quickly.

These observations could even be useful in order to acquire a more typical accent among the last three, mainly if somebody wanted (or had) to be in preferential contact with those inhabitants, more than with those of Germany. It could also be interesting to see –in NPT/HPh– the phonosyntheses of Pennsylvania German, or (Pennsylvania Dutch) (as it is called, § 21.12) and various Germanic dialects spoken in Germany (NPT/HPh § 17.27), Austria (NPT/HPh § 17.28), Switzerland (NPT/HPh § 17.20), Luxembourg (NPT/HPh § 17.22), France (NPT/HPh § 17.21), and Italy (NPT/HPh § 16.2, 16.12, 16.15-6, 16.18).

North-eastern-Germany German

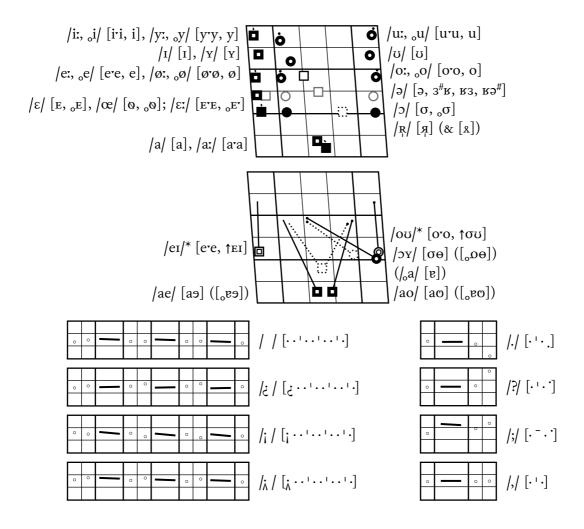
5.4.1.1. The first vocogram shows the vowels of the ex-DDR mediatic (and neutral) accent. It is not the local pronunciation of Berlin or of Saxony. As will be seen shortly, by comparing this vocogram with that of fig 5.1, long stressed V are actually monotimbric diphthongs, or vocalic doublings, with a slight upward movement. Besides, ε , ε , ε , ε , ε , are slightly closer (sufficiently so to use different phonetic symbols: ε , ε , ε , ε .)

We just give some examples to directly show the difference, thanks to phonetic transcriptions: ['firil] /'firl/ viel, ['zeren] /'zern/ sehen, ['ʃperet] /'ʃperet] /'ʃperet] /'ʃperet] /'ʃperet] /'geren] /'barn/ Bahn, ['zoro] /'zor/ so, ['gurut] /'gurt/ gut, ['thyryя] /'tyrk/ Tür, ['ʃørøn] /'ʃørn/ schön.

5.4.1.2. By comparing the vocogram provided, it can be seen that the second elements of /ae, ao, σγ/ are more central (and even lower for /σγ/): [a9, a0, σθ]. In addition, especially the first element of /ao/ is slightly backer and the first of /σγ/ is slightly higher, and indeed it crosses the edge towards the upper box: [ˈʔaes] /ˈaes/ Eis, [ˈblao] /ˈblao/ blau, [ˈnσθ] /ˈnσγ/ neu. There is little difference for the two xeno-phonemes /eɪ, ou/; while, for the possible first-element variants of /oae, oao, oa; oσγ/ they coincide.

We add for C that there is quite a frequent change of voiceless constrictives (and /z/), after /n, 1/, into homorganic sequences of stops + constrictives, or even into real stopstrictives (cf § 5.3.2.9). Finally, before pauses, /k#/ can be realized as a (pre)-velar stopstrictive [kx, kx]: ['khĸirik, -kx, -kx] /'knik/ Krieg, ['thaak, -kx, -kx] /'tak/ Tag, ['tshuruk, -kx, -kx] /'tsuk/ Zug. However, all these realizations are not at all recommendable.

The tonogram shows intonation, which sounds slightly less peculiar than the <western> neutral one, approaching what may be called <international>.



Austrian German

5.4.2.1. This accent is the (mediatic) one, which prevails in radio and television broadcastings and is half-way between the slightest and broadest accents. These observations are drawn from our (growing) sound archives.

¿Long› monophthongs are realized as geminate or doubled vocoids and have a shorter duration although gemination gives an impression of greater fullness, which almost equalizes true length: not [V:], but [VV].

It is at once clear even that the articulations corresponding to /I, Y, U; $\varepsilon(x)$, ∞ , 0/ are closer than in neutral German, so much so that they are represented as [i, y, u; $\varepsilon(x)$, ∞ , 0] (in less broad accents we find [I+, Y+, U+; $\varepsilon(x)$ +, ∞ +, 0+], with the unstressed variants [E, ∞ , 0], slightly closer than in neutral pronunciation): ['fiʃ] /'fɪʃ/ Fisch, ['fymf] /'fynf/ fünf, ['hunt] /'hont/ Hund, ['elf] /'ɛlf/ elf, ['ʃpeet] /'ʃpext/ spät, ['tsßolf] /'tsvœlf/ zwölf, ['oft] /'oft/ oft. Certain words have /e:/ [ee] for /ɛ:/.

5.4.2.2. Both /a/ and /a:/ are back-central: ['ʃtat] /'ʃtat/ Stadt, ['ʃtat] /'ʃtat/ Staat (in less broad accents we find [a, aa] (and [A, AA] in refined, or affected, ones), whereas in broader ones we have: [α , $\alpha\alpha$] and [α , $\alpha\alpha$] as well (which will certainly be noted at once).

Austrian traditional dialects generally present phonemic opposition between a back *a* and a fronter one, both short and long. It is possible to find this timbre distinction in language too, where the back timbre is used in traditional words, whereas the fronter one is used in loanwords and neologisms, as happens for instance in *Bank*: /ˈbank/ [ˈbank] ‹bench›, /ˈbank/ [ˈbank] ‹bank, gambling table›.

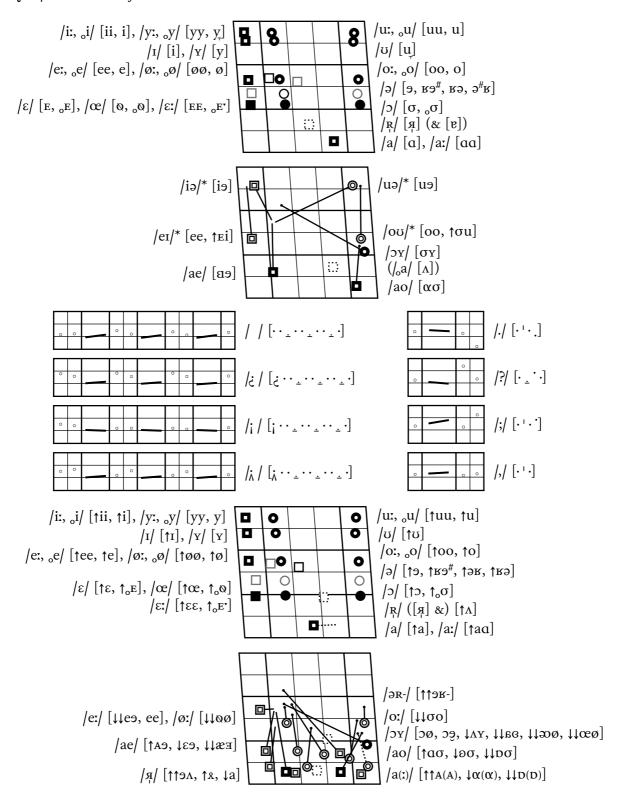
A very broad accent has /eː, øː, oː/ [eə, øø, σo]: [ˈvee, ↓ˈveə] /ˈveː/ weh, [ˈbøø, ↓ˈbøø] /ˈbøː/ Bö, [ˈsoo, ↓ˈsσo] /ˈzoː/ so.

Moving to diphthongs, we can see that $/ \Im v /$ has just a higher first element, while /ae, ao/ are decidedly different, [aə, $\alpha\sigma$]: ['aəs] /'aes/ Eis, ['bla σ] /'bla σ / /'b

5.4.2.4. In the second vocogram, two further typical diphthongs are evident (although marked in grey, since they only occur in local family and place names), [i9, u9]: [i9, u9/: [i9ieks, idiiks] *Diex*, [isu9ts, isu0ets] *Ruetz*. No variant of /ae, ao, 2y/ in

reduced forms are given, because they tend to remain as indicated; nevertheless, we have shown $\log A$ [A], which is possible in reduced forms.

In comparison with neutral German, there are some differences in phonemic length too, as in: ['altaitum] /'altatum/ Altertum, ['spiil, bas] /'spiilbasa/ spielbar, ['hasts] /'hasts/ Harz, ['bass] /'bass/ Barsch, ['susta] /'susta/ Schuster; [gessloss] /geschloss/-oss.



The last two vocograms show both less broad ([1]) vowel realizations (up to some affected ones, [\operatorname 1]), and —on the contrary— some of the broadest realizations $([\downarrow]).$

5.4.2.5. Moving to C, we find that often $/\eta^{\#}$, η C/ become $/\eta k^{\#}$, η kC/ (but they are not recommendable): ['tsaetun, -nk] /'tsaetun/ Zeitung (however, even without [k], the nasal is always velar, not uvular, in /Rn/ as well: [\pa'tsiikh, -ii\text{in}, -ii\text{n}]).

/t, d/ are more dental than denti-alveolar: [de'tektoя] /de'tektor/ Detektor; often /k#, kl, ql/ can be prevelar or retracted palatal (and /k#/ may even become stopstrictive, but these variants are best avoided): ['taak, -k, -kx, -c, -kc] /'ta:k/ Tag, ['dunkla, -nkl-, -nc-] /'dunkla/ dunkler, ['weegla, -gl-, -

Voiceless stops and stopstrictives are not (aspirated) (except in less broad pronunciations), as we have just seen for /ts/: ['pool] /'porl/ Pol, ['toon] /'torn/ Ton,

['kint] /'kint/ Kind, ['pfunt] /'pfunt/ Pfund, ['tako] /'tako/ Tschako.

Voiced stops are half-voiced, [b, d, a]; but they can also be [b, d, q], between voiced phones, again in less broad accents; however, in the broadest ones, we generally find [p, t, k]: [buube, -Be] /bu:be/ Bube (often we have [VBV] /VbV/), [duudn] /duːdn/ Duden, [ˈɡ̊eeg̊n] /ˈgeːqn/ gegen.

On the other hand, within words, b, d, g followed by heterosyllabic /n, 1/c can become /b, d, q/ (instead of /p, t, k/, as in neutral German pronunciation, which has neutralization): ['σκdnuη] /ˈɔκdnuη/ Ordnung, [ˈmøøåliç] /ˈmøːklɪç/ möglich. No glottal stop is used, except in less broad accents: [iç'esə] /ıç'esə/ ich esse, [te'aatal /te'arta/ Theater.

5.4.2.6. Among constrictives, we find a greater variation (than in neutral German) for v, mostly when initial: ['vess, 'f-] /'fers/ Vers, ['fiips, 'v-] /'vi:ps/ Viper. Normally, /z/ is /s/ [s] (while we find [z, z] only in less broad accents, and more easily after C): ['saaqn] /'za:qn/ sagen, ['also] /'alzo/ also, ['ʁaəsn] /'Raezn/ reisen (then identical to [ˈʁaəsn̩] /ˈnaesn̩/ reißen). In words such as Stil, Strategie, unlike neutral German, /st/ is preferred to /\(\frac{t}{!}\): [\(\frac{tiil}{!}\), [\(\frac{ttil}{!}\), [\(\frac{ttate}{qii}\)] /\(\frac{ttate}{qii}\)/\(\frac{ttate}{qii are both used, in both accents).

In addition, /j/ is an approximant, [j]: ['jaa] /'ja:/ ja; generally, /x/ is velar, [x]: ['ndax] /'nax/ nach. For /RÇ/ we have /RX/: ['duxx] /'duxc/ durch; for /IÇ/ we have /-ik/: ['tsBantsik] /'tsvantsiç/ zwanzig, for /#ç/ we find /k/: ['kiina] /'çi:na/ China, but: [melançolii] /melankoli:/ Melancholie. Often /ç/ is realized as a postpalatal, [ç], mostly in Vienna.

The most widely used articulation for /R/ is a uvular constrictive, [k], with the possibility of postnuclear vocalization (as seen in the first part of this section), which coexists with a fairly widespread alveolar trill or tap, [r, r] (even velarized, [x, x]). This is mainly a non-urban characteristic (but also widespread in Vienna, although alternating with [k, R]), which is best avoided, even if it does not sound peculiar: ['kaas; 'raar, 'raar, -aae] /'rasr/ rar.

Although, of course, it is certainly not recommendable, we want to mention that the typical broad Viennese l is a velarized alveolar unilateral, $[\lambda]$, which may occur in every position, although it normally alternates with [l], even in the broad-

est and most typical speakers. In the broadest accents (as in the traditional local dialect – see the Viennese phonosynthesis, § 17.28 of NPT/HPh), we find velar [l, l], in the sequences /kl, gl; kl, gl/. In Viennese pronunciation again, in addition to [\lambda] (and [l]), we often find it vocalized in [\textit{9}] (as in the dialect): [\sqrt{pii\textit{g}l}, -\text{g}\text{9}, \text{'ee-s}\text{\lambda}, -s\text{9}] /\sqrt{pixgl}, \text{'exzl}/ Spiegel, Esel.

5.4.2.7. In non-neutral pronunciation, simple word-internal voiceless intersyllabic /C/, after (short) stressed V, are realized as restrained (but evident) geminates, which we indicate with superscript symbols of the first element, in the variant form notated only here, [CC]: ['ʃtopṃ; 'ʃtoppṃ] /'ʃtopṇ/ stoppen, ['vetạ; 'vetṭa] /'vetạ/ Wetter, ['tapfa; 'tapfpfa] /'tapfa/ tapfer, ['sitsṇ; 'sitsṇ] /'zɪtsṇ/ sitzen, ['vasạ; 'vasa̞] /'vasa̞/ Wasser, ['vaʃn̞; 'vaʃn̞] /'vaʃn̞/ waschen, ['siça̞; 'sis̞çạ̞] /'zɪça̞/ sicher, ['maxn̞; 'maxn̩] /'maxn̩/ machen.

The insertion of a homorganic stop between /n, 1/ and voiceless constrictives or /z/ (cf \S 5.3.2) is possible, although not particularly widespread.

There are some differences in stressing: [kaˈfee] /ˈkafe; kaˈfeː/ Kaffee, [ˈlaab̞σπ, la-ˈb̞ooπ] /laˈboːκ/ Labor, [taˈb̞ak] /ˈta(ː)bak; taˈbak/ Tabak, [pσπˈtiiπ, pσπˈtjee] /pɔκ-ˈtjeː/ Portier; Motor [ˈmootσπ, moˈtooπ] /ˈmoːtoːπ, moˈtoːπ/.

Austrian intonation is easily recognized because of its (slightly rising) half-low stressed syllables and (falling) mid unstressed syllables, occurring between them in preintonemes; mostly the interrogative intoneme (and the suspensive one too) have particular movements, which can be seen in the tonogram.

Swiss German

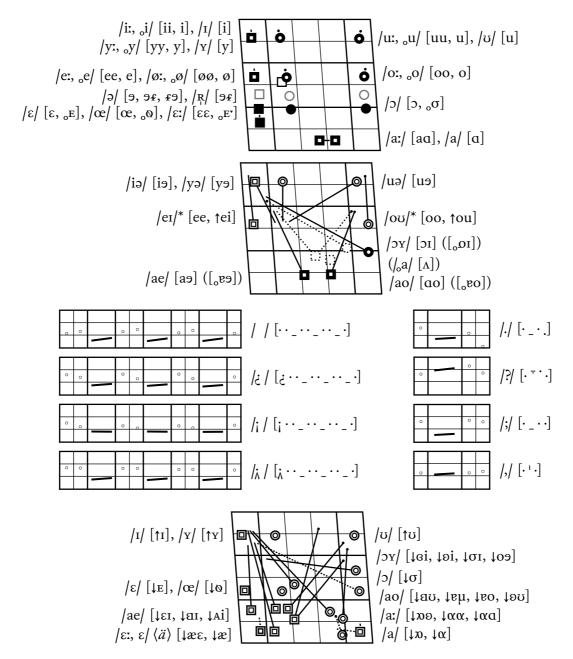
5.4.3.1. Even for this accent we will add, when relevant but without further figures, some more non-neutral characteristics, taken from our sound archives. The main accent illustrated is the mediatic one – something in between the broadest & most local ones and a neutralized, unmarked, accent – expressly acquired.

The first vocogram shows the short and long (monophthongs); actually, in this accent (long) vowels are diphthongs with narrow movements: ['fiil] /'fiil/ viel, ['fxyy] /'fxy:/ früh, ['guut] /'gut/ gut, ['beet] /'be:t/ Beet, ['øøl] /'øːl/ Öl, ['voo] /'vo:/ wo, ['ʃpeɛt] /'ʃpeːt/ spät (which is very stable and typical) ['ʃtaɑt] /'ʃtaɪt/ Staat. The last two have non-neutral broad variants: [æɛ] and [αα] (or [αα] as well, which is typical of Bern, and [∞], typical of Zurich). (The phonosynthesis in § 17.20 of NPT/HPh shows the characteristics of Zurich Schwyzertütsch [which is Alemannic], with still more different realizations.)

Among short V, /I, Y, U/ have closer realizations [i, Y, U]: ['fiʃ] /'fɪʃ/ Fisch, ['fymf] /'fynf/ fünf, ['hund] /'hunt/ Hund; /E, E, E, E, are relatively open: ['Elf] /'Elf/ E, ['tsßE] /'tsvE] /'tsvE] /'oft] /'oft (with unstressed taxophones E, E, E, E]. For the spelling E, we can also find a broad non-neutral realization E: ['felt, E] /'felt/ E] is back-central E] (which, in broad marked pronunciation, is rounded too, E], or fully back, E]: ['ftat] /'ftat/ E

5.4.3.2. For /ə/ we have [ə], in every context, since /R/ is not uvular: [ģəˈਝaɑd̞ə] /gəˈRaːdə/ gerade, [ˈunsə̞ə] /ˈunzəRə/ unsere, [ˈunsə̞ə] /ˈunzə/ unser. Besides, we generally find [-ən, -əm, -əl] for /n, m, l/: [ˈfau̞ən] /ˈfaːRn/ fahren, [ˈlooz̞əm] /ˈloːzm/ losem, [ˈeez̞əl] /ˈeːzl/ Esel. Only in very careful pronunciation, can we find [n, m, l], and [n, n, n, n, n] as well, even for speakers lacking /R/ [ʁ].

Neutral Swiss diphthongs are /ae, ao, ɔy/ [aə, ɑo, ɔɪ]: [ˈaəz] /ˈaes/ Eis, [ˈblao] /ˈblao/ blau, [ˈnɔɪ] /nɔy/ neu; in the broadest accents we find: /ae/ [ɛɪ, ɑɪ], /ao/ [ɑʊ, əʊ], /ɔy/ [ɑɪ, oə]. Xenophonemes are decidedly closer than in neutral German: /eɪ, oʊ/ [ee, ei; oo, ou].



In the second vocogram again, three further typical diphthongs are evident (although marked in grey, since they only occur in local family and place names), [i9, y9, u9] /i0, y0, u0/: ['diot] Dieth, ['#y9g] Rüegg, ['hupp] Huep. Except in less marked

-or affected- accents, often /yz, y, yə/ become /iz, i, iə/. In the same figure, possible realizations of reduced forms of /ae, ao, oy, a/ are given: [ge, ao, ot, ot].

In comparison with neutral German, there are some words with short V, as in: ['aɪt] /'aɪxt/ Art, ['flɔs] /'floɪs/ Floss (Floss: in Switzerland ß is not used), ['jagd] /'jaɪkt/ Jagd, ['nun] /'nuɪn/ nun, ['pfɛɪd] /'pfeɪxt/ Pferd, ['fɔɪ] /'foɪx/ vor, ['vɛɪdən] /'veɪxdn/ werden, ['ɛɪdə] /'eɪxdə/ Erde, ['vuks] /'vuːks/ Wuchs, ['tsɛɪtlix, -x] /'tshɛɪxtlıç/ zärt-lich.

The last vocogram shows broad realizations of $/\epsilon$, ϵ :, a, a:; ae, ao, σ y/ (and less broad ones of $/\tau$, y, σ /).

5.4.3.3. Moving to C, we have to say that /t, d/ are decidedly dental: [de'tɛktoɛ] /de'tɛktoɛ/ Detektor; whereas, /k/ is [k, kx, kx, kx]: ['kind, 'kx, 'kx-, 'kx-] /'kɪnt/ Kind, ['sak, -kx, -kx, -kx] /'zak/ Sack; please, note that in the transcription of § 5.5.2.4 (and § 5.5.1.2), we write [kx], to insist on this typical realization (although it tends to be avoided in neutral-like pronunciations, perhaps resorting to a velar stop-semi(con)strictive, [kx], which is half-way between [k] and the other stopstrictives indicated).

/p, t, k; pf, ts, tʃ/ are not <aspirated> (unless <aspiration> is voluntarily used): ['pool] /'poːl/ Pol, ['toon] /'toːn/ Ton, ['kuu, 'kx, 'kx-, 'kx-] /'kuː/ Kuh, ['pfund] /'pfunt/ Pfund, ['tseen] /'tseːn/ zehn, ['tʃakko] /'tʃako/ Tschako.

Furthermore, [?] is lacking, except in less marked and less typical accents: [te-'actse] /te-'atte/ Theater, [ix-'ess-, ix-] /ic-'ess-, ich esse; as can be seen, though, lexeme and grammeme boundaries are respected; only in very broad pronunciations resyllabification is possible: [i'xess-, i'x-].

5.4.3.4. Often, /f/ occurs instead of (neutral) /v/: [noˈfɛmb̞ə̞ɛ] /noˈvɛmbɐ̞/ November, [fenˈtiil] /vɛnˈtiːl/ Ventil, [fulˈkaɑn, -kx, -kx̞-, -kx̞-] /vʊlˈkaːn/ Vulkan.

For sp, st, internal or final we have /sp, st/, but in broad accents we find $/\int p$, $\int t/s$: $[k'nospe, \downarrow -\int pe] /k'nospe/ (bist, \downarrow -i \int bist/bist, ['gestern, \downarrow -\int t-] /'gestern/ gestern. Generally, for internal <math>/\int /(after stressed short V)$, like for the other C) we have $[\int s]: [mu \int a] /mu \int A /(muschel)$; for chs/ks/, in marked pronunciation it is fairly possible to have (/xs/): $[fuks, \downarrow -\chi s, \downarrow -\chi s] /(fuks/Fuchs)$.

Only in less broad speech, can we find $/\varsigma/$ (but articulated as postpalatal $[\varsigma]$, or prevelar [x]); whereas, normally, we have $/x/[\chi, \eta]$: $['mil\chi, -\eta; \uparrow-\varsigma, -\uparrow-x]/[mil\varsigma/Milch, ['ao\chi, -\eta]/[aox/auch.-ig]$ is regularly $/ik/(ie \langle /ig/\rangle)$; while $/i\varsigma/$ is decidedly rare and only voluntarily used): $['tsBantsig]/[tsvantsi\varsigma/zwanzig]$; and /*s/[is] is normally /s/[is] is an approximant, /s/[is] is an approximant.

5.4.3.5. The typical articulation of /R/ is uvularized alveolar, a trill in stressed syllables [\$\varepsilon\$], and a tap in unstressed syllables [\$\varepsilon\$], in every context, even after V: ['\$\varepsilon\$au\varepsilon*] /Re'akto:R/ Reaktor. In regional pronunciation (or, on the contrary, intentional pronunciation, under the influence of neutral German pronunciation), uvular realizations are possible: [\$\varepsilon\$, R, \(\varepsilon\$].

In neutral pronunciation /l/ is always alveolar (whereas in non-neutral pronunciation we often find [ł, ł], before pauses or C): ['all-] /'alə/ alle, ['leeb-n] /'le:b-n/ le-ben, ['yɔlf] /'vɔlf/ Wolf, ['hɛl] /'hɛl/ hell.

5.4.3.6. In word-internal position, in neutral Swiss pronunciation, simple intersyllabic /C/, after short stressed V (both voiceless and voiced, and spelled as geminates \langle pp, bb; tt, dd; gg; ff; ss; mm, nn; rr; ll\rangle, or represented with digraphs \langle ck; pf; tz; ch; ng\rangle or tri-/quadri-graphs \langle sch, tsch\rangle), are realized as restrained (but perceptible) geminates, which we indicate with superscript symbols of the second element, [CC], thus: ['immə\varepsilon | '\mmer, ['inn\text{op} | mnen, ['hun\text{op}\varepsilon | '\mnen, ['hun\text{op}\varepsilon | '\mnen, ['hun\text{op}\varepsilon | '\mnen, ['hun\text{op}\varepsilon | '\mnen, ['\warepsilon \varepsilon \varep

For stressing, we have cases such as: ['dotoo\varepsilon', do'too\varepsilon'] /'aoto\varepsilon', Autor, ['laboo\varepsilon, laboo\varepsilon'] /la'bo\varepsilon', Labor, ['mooto\varepsilon', mo'to\varepsilon', mo'to\varepsilon', mo'to\varepsilon', mo'to\varepsilon', ['buffet, buffet, buffet, buffet, labour'] /buffet, ['hot'\varepsilon', labour'] /ho't\varepsilon', labour'] /ho\varepsilon', labour', lab

Swiss intonation is easily recognized because of its (slightly rising) low stressed syllables and mid unstressed syllables, which continue the pitch movement at least in normal preintonemes; even the marked intonemes have particular movements – a close examination of the tonogram is highly recommended.

South-Tyrol/Alto-Adige German

- 5.4.4.1. The first vocogram shows the short and long monophthongs of South-Tyrolese mediatic pronunciation. Even for this accent it is immediately clear that the articulations corresponding to /I, Y, U; E(z), C, C, C, are closer than in neutral German so they are represented with [I, Y, U; E(z), O, O] (in less broad accents we find $[I^{\perp}, Y^{\perp}, U^{\perp}; E(z)^{\perp}, C^{\perp}, D^{\perp}]$, and unstressed [E, O, O] only slightly closer than in neutral pronunciation): $[f_{I}]/f_{I}/F_{I}$ fixch, $[f_{I}]/f_{I}$ fixeh, $[f_{I}]/f_{I}$ f
- 5.4.4.2. /a:/ is diphthongized: ['ʃtat] /'ʃtat/ Stadt, ['ʃtatt] /'ʃtat/ Staat (in less broad accents /a, a:/ are more similar to one another: [a, a:]; whereas, in the broadest accents, near the dialects, we can also have [\mathfrak{D} , \mathfrak{D} :] (which will certainly be noted at once; \mathfrak{C} § 16.15 of NPT/HPh, where the phonosynthesis of the South-Tyrolese

dialect koiné is given).

Generally, Tyrolese traditional dialects have phonemic opposition between a non-back *a* and a back rounded one, both short and long. It is possible to find this timbre distinction in the language too, where the back timbre is used in traditional words, whereas the non-back one is used in loanwords and neologisms, as happens for instance in *Ball*: /ˈpɒl/ [ˈpɒl, ˈpɑl] <ball>, /ˈpal/ [ˈpal] <dance>.

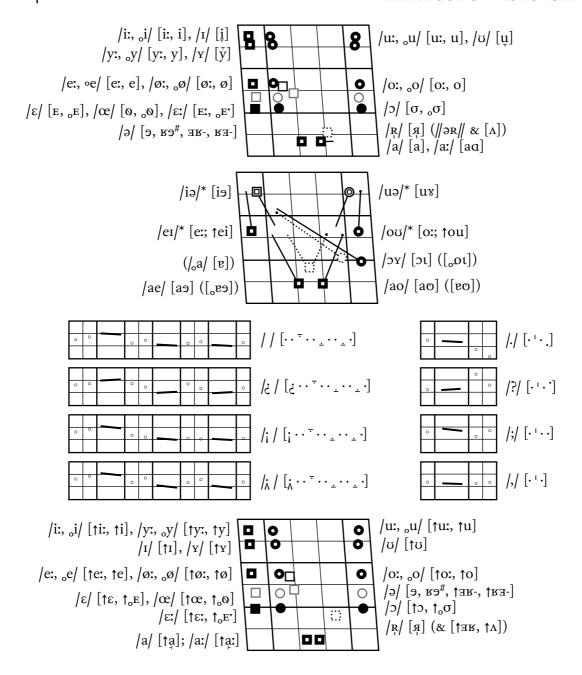
Very broad accents have /eː, oː/ [eɪ, oʊ] (as in the dialect): ['veː, ‡'veɪ] /'veː/ weh, ['soo, ‡'soʊ] /'zoː/ so (to these /øː/ [øx] is added: ['pøø, ‡'pøx] /'bøː/ Bö, which does not belong to the genuine dialect that has historically merged the front-central rounded series with the front one). On the other hand, the bourgeois dialect of Bolzano (Bozen) has restored /yː, y, øː, œ, ɔx/ [yː, y, øː, ø, ox], under the influence of neutral German pronunciation, including /yə/ [yə, iə], by structural analogy.

5.4.4.3. /ə/ is realized as [9, π], with the vocalization of /R, R/ [Λ] (with consonantal accompaniments too), and in the most broad pronunciations even [π], as in the dialects (cf the phonosynthesis); thus we have: ['uns π B) /'unz π P/ unsere and ['vas π , - Λ^{π} ,

The second vocogram shows the diphthongs of South Tyrolese German. While $| \neg y |$, in comparison with neutral German, differs mostly in its second element that is unrounded, $[\neg \iota]$; $| \neg \iota \rangle$ are decidedly less wide, $[\neg \iota \rangle \rangle$ and $| \neg \iota \rangle \rangle$ $| \neg \iota \rangle$

5.4.4.4. In the second vocogram, two further typical diphthongs are evident (although marked in grey, since they only occur in local family and place names), [i9, u8] /i9, u9/: ['ti9t], †'diit] Dietl, ['kxu8ns, †'ku:ns] Kuens. In the same diagram, the possible realizations of /ae, ao, o8, a/ [89, 80, o1, 8], in reduced forms, have been marked.

As already said, the last vocogram shows less broad vowel realizations ([↑]), which are rather similar to the neutral German ones; however, this pronunciation is still recognizable, since the prosodic characteristics have typical differences. There are different distributions too, as for instance /ε/ in ['EAST, 'E-; \'PEX\t] /'ERST/ erst, ['pfext, 'ε-; \'pfext] /'pfext/ Pferd (which in neutral German have /e:/: ['Pexst, 'pfhext]).



5.4.4.5. Moving to C, we find that generally internal $/\eta$ becomes $/\eta g/$ (but it is not so in less broad accents): ['pʁiŋɡ̊ən, ↑'b̞ʁɪŋŋ̊] /'bʀɪŋŋ̂/ bringen (however, even without [g], as in less broad accents, the nasal is always velar, not uvular). Especially in checked syllables with N (above all in stressed positions), V are nasalized in broad accents: ['vi:n, 'vĩ:n] /'vi:n/ Wien, ['faŋ, 'faŋ] /'faŋ/ Fang.

/t, d/ are dental: [te'tektoя] /de'tektor/ Detektor; often /#k, k#, kή/ are stopstrictives, or even stop-semi(con)strictives, velar (or postpalatal, near front V): [ˈkomm, ˈkx-, ˈkң-] /ˈkɔmm/ kommen, [ˈsokŋ, ˈsokxən, -kң-] /ˈzɔkŋ/ Socken, [ˈtik, -kx, -kң, -kç, -kç] /ˈdɪk/ dick.

Voiceless stops and stopstrictives are not (aspirated) (generally even in less broad accents) as we have just seen for /k/: ['po:l] /'po:l/ Pol, ['to:n] /'to:n/ Ton, ['kint, 'kx-, 'kç-] /'kint/ Kind, ['pfunt] /'pfunt/ Pfund, ['tʃako] /'tʃako/ Tschako.

Phonemic voiced stops are voiceless in typical pronunciation, but half-voiced,

[b, d, g] in less broad accents. However, between voiced phones, they are half-voiced, [b, d, g] (except, usually, in the dialects which –mostly– have [p, t, k/kx], as in the broadest accents. Instead, in less broad accents they are voiced, [b, d, g]): ['puːbə, ↑-bə] /'buːbə/ Bube. Half-voiced realizations are possible before internal /n, l/, too: ['ɔ¤dnuŋ, 'møːdliç] /'ɔ¤dnuŋ, 'møːklɪç/ Ordnung, möglich. (In Bolzano, we can find [VβV, VδV, VgV] /VbV, VdV, VgV/: ['buːβə].)

There is no [?], except in less broad accents, where however it is less evident than in neutral German (and, in this case, we could mark it with a special symbol, [?]): [iç'ɛsə, ↑ʔɪç'ʔɛsə] /ɪç'ɛsə/ ich esse, [te'aratṣ, ↑te'ʔaː-] /te'aːtṣ/ Theater.

5.4.4.6. For constrictives, it is to be noted that /z/ is normally /s/ [s] (generally, even in less broad accents, in Bolzano as well): ['sa'ag'ή] /'za:gn/ sagen, ['also] /'alzo/ also, ['ʁaəsn] /'ʀaezn/ reisen (which becomes identical to ['ʁaəsn] /'ʀaesn/ reisen). In initial position, before C, /s/ practically never occurs (substituted by /ʃ/); and, as far as internal and final /st/ is concerned, in broad accents, as in the dialects, we typically find /ʃt/: ['liːpstn, ↓-ʃtn] /'liːpstn/ liebsten, ['sonst, ↓-nʃt] /'zɔnst/ sonst. However, in case they are heterolexemic, we have /st/: ['samsˌtaɑkx] /'zams-taːk/ Samstag (as in the dialects: ['samsˌtikx, 'sɒmsˌtikx] /'samstik/ samstig).

For (tautosyllabic) /#Cv/, we have [Cv]: ['ʃvest¤] /ˈʃvest¤/ Schwester, ['tsvaə] /ˈtsvae/ zwei, [ˈkvel] /ˈkvel/ Quell; for /f/, it is possible to have /v/, besides in forms such as Vize (which, even in neutral German, may have the variant with /v/, although not prevailing), even for v#, against neutral phonemic rules, in cases such as positiv: ['vi:tsə, posi'tiv]. In addition, /j/ is approximant [j]: ['jara] /ˈjaː/ ja; generally, /x/ is velar [x]: [ˈnarax] /ˈnax/ nach; /ç/ is maintained (even before /k/, contrary to what happens in Austria): ['tuxç] /ˈduxç/ durch; but, for /-ıç/ we have /-ık/ (except in less broad accents) ['tsvantsik, -kx, -kç] /ˈtsvantsıç/ zwanzig; for /#ç/ we systematically find /k/: [ˈkiːna, ˈkx-, ˈkç-] /ˈçiːna/ China. However, in the dialects, except in Bolzano, [ç] /ç/ does not exist at all.

The most widely used articulation for /R/ is a uvular constrictive, [B], which coexists with a fairly widespread uvular trill, [R], with the possibility of postnuclear vocalization (that, as we have already seen, is back-central [A] (or back, [X], in the dialects and in the broadest accents). In absolute final position, after stressed V, in the dialects and in the broadest accents we have [G]: [BRAGR]: [ARAGR]: [ARAG

5.4.4.7. In non-neutral South-Tyrolese pronunciation, simple word-internal intersyllabic (voiceless, nasal and lateral) /C/, after (short) stressed V, are realized as restrained (but fairly evident) geminates, which we indicate with superscript symbols of the first element, in the variant form notated only here, [CC]: ['ima; 'imma] /'imma/ immer, ['ʃtopm; 'ʃtopm] /ˈʃtopn/ stoppen, ['veta; 'veta] /'veta/ Wetter, ['tapfa; 'tapfpfa] /'tapfa/ tapfer, ['sista; 'sistan/ sitzen, ['vasa; 'vasa/ Wasser, ['va-ʃn; 'vaʃn/ waschen, ['siça; 'sisça] /'ziça/ sicher, ['maxn; 'maxn/ machen, ['kvelə; 'kvelə] /'kvelə/ Quelle.

The insertion of a homorganic stop between /n, 1/ and voiceless constrictives or /z/ (cf \S 5.3.2) is possible, although not particularly widespread.

In lofty or foreign words, there is a frequent use of Italian –or Italian-like–structures: $|gn| \rightarrow /nj/$: [prop'jo:se] |prop'no:ze| Prognose, [sip'jard] |prop'no:ze| Sip'jard] |prop'

South-Tyrolese intonation is easily recognized because of its half-low stressed syllables, except the first one which is half-high; mostly the interrogative intoneme (and the suspensive one too) have particular movements, which can be seen in the tonogram.

Text

5.5.0. The story *The North Wind and the Sun* follows, given in some different (normalized) versions. We start with the (neutral) German pronunciation of (neutral British) English – this is the first step of the phonetic method (the written text is given in § 2.5.2.0). The German translation follows, in its neutral version; then the north-eastern accent, followed by the Austrian, Swiss, and South-Tyrolese ones. These transcriptions would have been (visually) more different, if we had used the (special) (denti-alveolar) symbols [\mathfrak{t} , \mathfrak{d} , \mathfrak{d}], and instead of [\mathfrak{g} , \mathfrak{g}] (for / \mathfrak{R} , \mathfrak{R} /) respectively the following possible variants: [\mathfrak{d}] (neutral), [\mathfrak{g}] (north-eastern), [\mathfrak{v} , \mathfrak{g}] (Austrian), [\mathfrak{x} , \mathfrak{g}] (Swiss), [\mathfrak{d} , \mathfrak{d}] (South Tyrolese).

At the end, as always, there is the version which gives the English pronunciation of German, by neutral British speakers, fluent in German (after prolonged contact with native speakers, but with no help from the phonetic method), who have adequately learned the relative prominences, but who substantially use segmental and intonation elements which are typical of neutral British English (for reference purposes, although, of course, a neutral accent is not so common). Obviously, the same principle is valid for the foreign pronunciation of English, given first.

Speakers of American English could prepare their own version both of the German pronunciation of English and of their pronunciation of German, as an excellent exercise, by listening to native speakers, best of all after recording them. Of course, speakers of *other languages* could do the same thing. The author would be happy to receive their transcriptions and recordings, both in case of help—should they need it— and to make their contribution known to others (possibly in our website on *canIPA Natural Phonetics*— cf § 0.12).

German pronunciation (of English)

-5.5.1. [zɨˈnɔяs ˈv̞ɪnt· ʔentz̞ɨˈzan· vᢐяdɪˈspi̞uːtɪŋ ˈvɪtʃ v̞σsz̞ɨˈʃtʁɔŋgạ̞... ˈven ʔeˈthʁɛfɨla̞iˈkheːm ʔeˈlɔŋ· լˈʁɛpt ʔɪnʔeˈvɔяm ˈkhloːk... ˈˌzeʔeˈɡʁiːt- ˌzetz̞ɨˈvan huˈfœяst z̞akˈsiːdɨt·

il. ˈksck'isnas, kbucat, kscm, kscm

[|||] dıtınılaek. 'sz+)təri i-iqir, uchirat Jelaen. [||]

German text

5.5.2. Einst stritten sich Nordwind und Sonne, wer von ihnen beiden wohl der Stärkere wäre, als ein Wanderer, der in einen warmen Mantel gehüllt war, des Weges daherkam. Sie wurden einig, dass derjenige für den Stärkeren gelten sollte, der den Wanderer zwingen würde, seinen Mantel abzunehmen.

Der Nordwind blies mit aller Macht, aber je mehr er blies, desto fester hüllte sich der Wanderer in seinen Mantel ein. Endlich gab der Nordwind den Kampf auf. Nun erwärmte die Sonne die Luft mit ihren freundlichen Strahlen, und schon nach wenigen Augenblicken zog der Wanderer seinen Mantel aus. Da musste der Nordwind zugeben, dass die Sonne von ihnen beiden der Stärkere war.

Hat dir die Geschichte gefallen? Wollen wir sie wiederholen?

Neutral German pronunciation

5.5.3. [ˈʔaenʃ· ˈʃtʁ̞ɪtn̩zɪç ˈnɔяtˌv̞ɪnt· ʔʊnˈzɔnɨ· | ˌveяfɨnʔiṃˈbaedn̩ˌvorl dạˈʃtɛяkəвɨˌveː-вɨ... | ˌʔalsɐemˈvandəвя· нdeяʔɪnʔaenn̩ˈvaяmm ˈmantl gɨˈhʏltˌv̞arя· dɨsˈv̞eːgɨs· d̞ɐˈheːя-ˌkha·m... | zɪˌvʊяdn̩ˈʔaenɪç- d̞asˈd̞eːяˌj̞eˈnɪgɨ· нfʏ(я)dn̞ˈʃtɛяkəвђ ˈgɛltnˌzoltɨ- deяdn̞ˈvan-dəвя ˈtshβɪŋŋˈˌvʏяdɨ- zaenn̞ˈmantl ˈʔaptsɨˌne·mmฺ... |

inst'lala. ¡Asqı, İzur'a kasqı, İzur'a kasqı, İzur'a kasqı, İşapa, İşa

[||``qlodıq#\fiçt#-¿g#falq"] |``qlodıq#biyiz zı'vilqwhorly"

Neutral north-eastern German pronunciation

-6482 - 6482 -

||∴mesdıdı'vandırı 'tapığını'nıyındı' vaptsəlneemi

Neutral Austrian pronunciation

şisetlyd. ·qtsahotsab, |·siildˈna nəəm.əjndb, ||.·txpmˈ·qlpˈtim j·siildˈ qmivˌtron.qpb
-unˈ ||.·lowˈ lqmpa/qp onivˌtronˈqp qppb. ·qiltnaˈ ||.·neaˈ ltnpmˈqneasˌni, ·qrachnpvˈqp

'\dop' nivˌtron/qm ||.·qlppat/ ·qqiltnamˈqneasˌ, ·qrachnpvˈqp oodˈ, ||·qhildˌdpowˈ
-nivˌtronˈqpetsum, j·ppˈ ||.·sowˈ ltnpmˈqneasˌ, ·qrachnpvˈqp oodˈ, ||·qhildˌdpöpˈ
-livqasəb, j·qdəab, j·qpeagˈqiqinot] ||.·qbeagˈuuzˈ

[∭·nloodıkbiiv_iz kivnlov_5 |·nlo1_ebs ·etşi∫ebibkipıtods

Neutral Swiss pronunciation

-lyd. -\(\phi\end{array}\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) -\(\phi\end{array}\) isil\(\dagga\) is in \(\dagg

[||·nlood, ebiiviis ivnlov_; |·nloof, ebis etxilebib, ib, tod;

Neutral South Tyrolese pronunciation

-sa-javiat in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval in interval

-pli picetlyd' -pli picetlyd' -pli picetlyd' -pli picetlyd' -pli picetlyd' -pli picetlyd' -pli picetlyd' -pli picetlyd' -pli picetlyd -pli pi

[|| 'qlod,qb:iv'iz Rivnlov'5 | 'qlaf'ebs etşif'ebibrit,tad:

English pronunciation of German

5.5.8. ['anat' ¬lanat' ¬nata' nata'

 $[\||\cdot nelo\varepsilon h_i -$