1	Neutralization: Rhyme and Reason in Phonology									
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3	Linguistics Colloquium, Fresno State University, December 2010									
4	Babelese inventory:									
5	ptk i u									
6	m n ŋ a									
7	Babelese root shapes: CVCV, CVCVC, CVCCV, and CVCCVC									
8 9 10	 <u>Paradigmatic limitations</u>: only six of the values may be commuted in the first position of a root (p t k m n ŋ), and only three of the values may be commuted in the second position of a root (i u a). 									
11	Syntagmatic limitations: the only consonant clusters found morpheme-internally are of the form									
12 13	homorganic NP (where N =nasal, P =plosive): there are only three phonetic values that commute in the relevant N paradigm: $m(p) n(t) \eta(k)$.									
14 15	<u>Static limitations:</u> it is always the case that root-internal consonantal sequences in Babelese are one of three <i>fixed</i> homorganic nasal-stop sequences (mp nt ŋk).									
16	Dynamic limitations: derived C+C clusters take twenty-four different forms:									

17	p+p p	+t	p+k	t+p	t+t	t+k	k+p	k+t	k+k
18	p+m p	+n	p+ŋ	t+m	t+n	t+ŋ	k+m	k+n	k+ŋ
19	m+p				n+t				ŋ+k
20	m+m				n+n				ŋ+ŋ

- 21 Babelese words have only three contrastive NP configurations, though they each come in two
- 22 rather different varieties:
- 23 mp nt nk
- 24 **m+p n+t ŋ+k**
- 25 <u>Neutralization:</u>
- 26 tampan# tampam+p tampan+t tampaŋ+k
- 27 timpaŋ# timpam+p timpan+t timpaŋ+k
- 28 **NEUTRALIZATION: derived homophony.** (When used in this formal sense, the term appears in small
- 29 caps.)
- 30 tampan# tampam+p tampan+t tampaŋ+k
- 31 tampaŋ# tampam+p tampan+t tampaŋ+k

- 1. An alternation that eliminates the phonetic distinction between or among values, but instead
- shifts or displaces the phonetic distinction elsewhere ("partial phonemic overlap") is not
 NEUTRALIZATION
- An alternation that eliminates the phonetic distinction between or among values that are
 contrastive elsewhere, but does not induce homophony, is not NEUTRALIZATION
- 37 3. An alternation that reduces the number of contrastive values in some context, but does not
 38 derive homophones, is not NEUTRALIZATION
- 39 4. Static, morpheme-internal contrast suspension is not NEUTRALIZATION
- 40
- We may treat non-alternating components of morphemes—whatever their shape or size—as wholes, as *Gestalten*, and further recognize that components in alternation—again, whatever their shape or size—are also *Gestalten*, ones that are set in high relief against their phonetically fixed morpheme-internal backgrounds: "there is no reason to assume that language users subdivide the words they learn into distinct sound-components unless there is evidence from alternation to do so".
- Sounds that function as elements of contrast in one context may not serve this same function in
 other contexts (cf. Firth and polysystemicity).
- 49 The spans of speech within morphemes—despite phonetic appearances to the contrary, and
- 50 however "recyclable" their attendant motor routines—are not necessarily built out of smaller
- 51 linguistically significant units that combine in various ways. Rather, the spans of the speech stream

- ⁵² underlain by a specific linguistic *function*—morphemes, words, and perhaps certain rote phrases—
- ⁵³ are the genuine building blocks of linguistic structure, blocks that may only be partitioned into
- 54 smaller units when there is evidence from alternation to do so.
- 55 Apart from mere phonetic similarity—their *extrinsic phonetic similarity*—there is no reason to
- ⁵⁶ group any components of the speech stream together unless there is linguistic evidence that they
- 57 do indeed possess some sort of *intrinsic functional non-distinctness*.
- In phonology, the only instance where this scenario obtains—and the only case in which physical
- 59 dissimilarity is regularly overridden by functional identity—comes from alternation: components
- of the speech stream that substitute for one another, and yet morpheme meaning remains the
- 61 same, share an *intrinsic functional identity*.
- In Babelese, Morpheme-internal ηk bears no intrinsic phonological relationship to any other ηk , be
- the sequence found in another morpheme-internal context (ηk), or at a morpheme boundary ($\eta + k$),
- or across a word boundary (n#k). Rather, functional links may be established solely by semantic
- 65 criteria; allomorphs are functionally—semantically—non-distinct.
- ⁶⁶ Important exception: derived homophony (NEUTRALIZATION). Here—and *only* here—the allomorphs
- in alternation do not share a unique functional identity. Rather, in just this instance, identity is
- 68 forfeited—indeed it is shared, or overlapped, with another morpheme—due to the absence of
- 69 phonetic evidence for these morphemes' distinctness in meaning.

- 70 The only phenomenon that remains as a genuine instance of NEUTRALIZATION is an alternation that
- 71 derives homophones. Here, there is an *extrinsic phonetic similarity*—indeed, a derived *phonetic*
- *identity*—among items, but it is the consequent *intrinsic functional non-distinctness* of the derived
- 73 forms that establishes the phenomenon's linguistic relevance: any phonetic evidence for these
- ⁷⁴ items' difference in meaning is washed away.
- 75 Babelese suffixes are monosyllabic (CV or CVC), and are subject to vowel harmony:
- 76 tampan+tak, but kupit+tik.
- Affixes are usually shorter than roots, and also, are often subject to assimilatory phenomena such
- as vowel harmony
- 79 The alternation in evidence likely encompasses any consonant(s) that intervene between the root-
- ⁸⁰ final vowel and the suffix vowel:
- 81 tampan+tak, but kupit+tik)
- 82 NEUTRALIZATION is rarely an issue here.
- 83 Phonological RHYME may increase until encountering a counter-pressure that inhibits undue
- 84 decreases in phonological REASON: the inventory of motor routines that a language deploys is likely
- to be influenced by lexical semantic factors: coarticulation and assimilatory alternations may

conceivably evolve rather freely, provided the transmission of *meaning* between speaker and
 listener is not adversely affected.

⁸⁸ Indeed, as a passive consequence of communicative success—of effective transmission of lexical

- semantic content—speech with less coarticulation (as opposed to more coarticulation) may
- 90 emerge as the conventionalized norm. Articulatory details put in service to failed communication-
- 91 as when the meaning associated with overly-coarticulated or -assimilated speech tokens is not
- 92 effectively communicated to listeners—are less likely to be reproduced as listeners become
- 93 speakers (since such speech may be misunderstood), and are thus less likely to become
- 94 conventionalized motor routines.
- 95 So-called "phonetic or "low-level" effects (such as patterns of coarticulation) may in fact be the
- ⁹⁶ result of deep historical and systemic pressures many times removed from the physical systems
- 97 that proximally underlie speech; the emergent result of persistent, slow-going, interlocutionary
- ⁹⁸ tendencies that shape and change speech conventions.