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Ega

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ILLUSTRATIONS OF THE IPA



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Ega is an endangered language spoken in the south-central region of Côte d'Ivoire, in Divo Department. The precise number of speakers is not known at present; the 14th *Ethnologue* (Grimes 2000) reports 291 to 3,000, and notes that 'the ethnic group is growing, but they are shifting to the Dida language because of intermarriage and other influences'. Our own preliminary and impressionistic work suggests the number of Ega speakers to be closer to the upper end of this range, perhaps around 2,000, but we note that Ega now serves a decreasing number of sociolinguistic functions, to the extent that in at least some villages Dida has replaced Ega as the primary language of daily use. It is also clear that the degree of intergenerational transmission is low in many, if not all, Ega villages.

With respect to genetic affiliation, Ega is recognized as belonging to the Kwa branch of Niger-Congo, though it is surrounded by Kru languages (Dida and Godié). This classification is not uncontroversial and is based on only a small amount of comparative evidence. Bole-Richard (1983), while accepting the classification, nevertheless draws attention to similarities with Benue-Congo and hints at the sometimes mooted Benue-Congo – Kwa continuum. The most recent classification of Ega (Williamson & Blench, 2000) has it as an isolate within Kwa, coordinate with all other branches of Kwa.

Ega is of linguistic interest for a number of reasons. It appears to have a more complex phonetics, phonology and morphology than other Kwa languages, as well as syntactic characteristics atypical of Kwa. To some extent these may reflect more archaic stages of Kwa language development. Of particular interest from the standpoint of phonetics and phonology, Ega features contrastive implosive consonants at five places of articulation, depressor consonants and a system of nine vowels featuring ATR harmony.

Little has been written on Ega. The most accessible publication is that of Bole-Richard, mentioned above. In addition, Bole-Richard has published two other brief articles on the language (1981, 1982), an unpublished lexicon is in circulation (Bole-Richard n.d.), and the language has been the subject of a Master's dissertation at the Université de Cocody in Côte d'Ivoire. The sociolinguistic situation surrounding the endangerment of Ega has been explored by the present authors (Connell et al., 2001), who have a more extensive study of language knowledge and use among the Ega in

preparation. More detailed work on other aspects of Ega, including its phonetics and phonology, is also in preparation.

The two principal speakers used for the present study are Gnaoré Grogba Marc, aged 54 when the study was undertaken, and Baze Lucien, 35 at the time of the data collection. Gnaoré Grogba Marc is a native of Gniguedougou, a village with a population of approximately 750, and is the village storyteller. Gniguedougou is one of the few Ega villages where the language is still used for the entire range of daily functions. Baze Lucien is from the village of Gnama, a village where the language is under threat. Though there is said to be some dialect variation within Ega, both of these villages are of the same dialect area. Like Gnaoré Grogba Marc, Baze Lucien has an excellent command of his language and the speech of the two men cannot be said to differ in any substantial way. A number of other inhabitants of Gnieguedougou also contributed to the work reported here. Audio renditions of all words and phrases transcribed in this paper are available at the Ega website: http://coral.spectrum.uni-bielefeld.de/LangDoc/EGA/.

Consonants

The consonant system has been described by Bole-Richard (1982) in terms of a fortis – lenis contrast, especially with regard to the two series of voiced obstruents. Here this contrast is presented in terms of plain voiced and voiced implosives. Ega employs this contrast at five places of articulation, and is one of the very few languages reported to have such an extensive set of implosives. The only other such language known to the authors is Mbatto, spoken in south-eastern Côte d'Ivoire. The ingressive airflow is readily perceptible with labials, alveolars and velars. It is often more difficult to discern with the palatal and particularly with the labial-velar, the plain variant of which also involves buccal suction, presumably through use of a velaric airstream mechanism. The ingressive airflow and reduced intraoral pressure has been observed instrumentally, in work that is to be reported elsewhere.

The voiced obstruent series /b, d, $\frac{1}{2}$, g, \widehat{gb} , v, z/ are depressor consonants, the effect of which on tone realization is noted below. We only add at this point that their lowering effect on following M and H tones is a salient perceptual cue in distinguishing these from their implosive congeners. These consonants are all contrastive in initial position, as illustrated below.

	Bil	abial	Alv	eolar	Pal	atal	Ve	lar	Labia	l Velar
Plosive	р	b	t	d	с	ţ	k	g	kp	ĝb
Implosive		6		ď		f		g		đĐ
Nasal		m		n		ŋ		ŋ		
Fricative	f	V	S	Z			Х			
Approximant						j				W
Lateral Approximant				1						

pá 'fish'

bá 'send away'

6á 'complete'

tá 'speak'

dá 'show'

īgbé'vegetable' (sp)ùgbò'cooking pot'ùgbò'mouse' (sp)má'leave nothing'nà'walk'

ɗá	'hide'	лà	'suck'
cá	'understand'	ŋʷà	'tie'
j é	'become numerous'	fá	'consult'
fè ká	'swear'	vá	'excuse'
ká	'and'	sá	'break in two'
gà	'cook'	sù	'break (a piece of wood)'
ſà	'count' 'build a hedge to enclose a field' 'finish'	ùzùzù	'shadow'
kpá	'build a hedge to enclose a field'	xέ	'carry'
gbá	'finish'	jé	'fill'
kpé gbé	'peel'	wá	'kill'
g͡bé	'become thin'	lá	'sleep'

Conventions and distributional restrictions

1. Prevocalic $/\eta$ / is realized as $[\eta^w]$ before front (unrounded) vowels and as $[\eta]$ before back (rounded) vowels; postvocalically it is always realized as $[\eta]$.

2. /z/ occurs only rarely.

3. Clusters comprised of two consonants occur, but only with severe restrictions on what can appear in C2 position: only /l/. It can combine with virtually every other consonant, being realized as [r] after coronal fricatives, approximants and /c/, and as [n] when combining with nasals. Otherwise it is realized as [1], though in apparent free variation with [r]. Both /j/ and /w/ also co-occur with other consonants, though their status in this context – i.e. whether they form part of the onset or part of the nucleus – is at present unclear.

4. /x/ is realized either as voiceless [x] or as a voiced fricative [y], and at times as a glottal fricative [h] by some speakers. These appear to be in unconditioned variation. As it does not pattern with the other voiced obstruents with respect to the depressor effect, in phonemicization it is notated as /x/.

Vowels

Ega has a system of nine vowels, divided into two sets according to tongue root advancement (ATR). This feature forms the basis of vowel harmony in Ega: within a noun or verb phrase, between noun and dependent grammatical elements or verb and dependent grammatical elements, the ATR value of vowels is consistent, either [+ATR] or [-ATR]. Except in prefixes, where it occurs with either set, the low vowel /a/ is [-ATR]. The vowels are transcribed using the symbols [i, e, u, o] for the [+ATR] vowels and [I, ε , υ , υ] for [-ATR] to avoid the use of diacritics. There appears to be dialect variation (and perhaps aged-based variation) in the harmony system, with the [ATR] feature being confounded with one of height. This is unsurprising given that tongue height is frequently concomitant to tongue root advancement.

бì	'give birth'
àbì	'beans'
6è	'swallow'
6è	'plant'
6ù	'become rotten'
6ù	'climb up'
6ó	'trap'
6ónè	'begin'
6á	'complete'



Apart from its vowel harmony, the most striking feature of the Ega vowel system is the frequency of vowel hiatus phenomena. Vowel hiatus regularly results in the elision, coalescence or assimilation of one of the two vowels. The conditions governing hiatus phenomena are complex, and are explored in Dago (1999).

Conventions and distributional restrictions

1. Vowel harmony exists as described above.

2. Ega vowels are nasalized in the environment of nasal consonants. Nasalization is heavier when the nasal precedes the vowel.

Tone

Ega is a register tone language with three basic level tones, High (H), Mid (M) and Low (L). Tone functions both lexically and grammatically. Examples of the three tones are:

ní	tá	'I speak'

ní tā 'I spoke'

ní tà 'I chew'

Tonal contours come about through a number of different processes. First, tones may combine on monosyllables to give contours of HM, HL, MH through synchronic or diachronic processes of vowel deletion, leaving the unassociated tone to dock on a preceding or following vowel (cf. Ahoua & Leben 2001, Leben 1999 for discussion of such processes in Kwa generally). In these instances, it is clear that two tones are associated with one tone bearing unit (TBU). Other contours arise through the effect of the voiced series of plosives which act as depressor consonants (see below): following M and H tones are realized with a rise, which may be analyzed alternatively as simply a phonetic effect of the depressor consonant or as the association of an L with the depressor consonant which spreads to the following TBU, giving LM and LH contours. Lending some support to the latter analysis, the depressor consonants also appear to exert an influence on the realization of preceding tones in that, at least for noun class prefixes, the tone is always L before a depressor, though this effect does not appear other than on the class prefixes. Tones following non-depressor consonants are level, other things being equal.

Minimal pairs are not easily found among the nouns of the language because, on one hand, the prefixes that occur before nominal stems generally bear a mid tone, and on the other because of the depressor consonants that create melodic tones or tonal contours.

Tables 1 and 2 show the distribution of tones classified according to consonant types.

LL		L M		L H	
ùblù	'paddle'	èbà⁻	'dismissal'	èbă	'race'
ìdà	'pile'	èdà⁻	'showing'	òdă	'cloth'
ìgò	'hunger'	ìgà	'Ega' (language)	ìgŏ	'hedgehog'
ìgờ ègbà	'sickle'	ègbờ	'maturity'	ègbă	'sculpting, carving
ì j ì	'clay'	è j ð	'raider'	è j ĭ	'silence'
àνὲ	'silk cotton tree'	ùvÈ	'dog'		

Table 1 Tones of nouns before and after depressor consonants.

LL		ММ		ΜH	
àbì	'beans'			ΰθύ	'flour'
òmà	'mouth'	ēmō	'smelling'	ēmá	'drying of a river'
èfĭ	'children'	ēfē	'taking flight'	ēfi	'eye'
òtà	'war'	ētā	'word, speech'	Ētá	'finger'
èɗà	'kola'	ēɗā	'burial'	ēdó	'bridge'
àlà	'sleep' (n.)	ēlā	'sleeping'	ēlá	'theft'
ìnì	'name'	ēnā	'meat'	Ēná	'walking'
àsờ	'blood'	Ī SĪ	'woman'	āsrú	'sauce'
		īcā	'liver, heart'	ĒCÍ	'laughing'
		ē∱ō	'blackening'	ēfú	'marriage'
òjì	'cold'	ūjē	'bundle of wood'	ējá	'yam'
ìnà	'breast'	ēņē	'arrival'	Ēŋá	'sucking'
ìkà	'fire'			ēká	'eagle'
		ūxā	'millipede'	ōxá	'crab'
ìkpù	'chair'	ēkpē	'peeling'	īkpó	'hat'
òwà	'crocodile'	Ēwā	'killing'	ēwá	'calabash'
àŋờ	'air'	วิทูพที	'year'	Ēŋó	'housefly'
έzà	'quarrel'	ìzè	'wood'	-	-
è∫à	'chewing stick'	ē∮ā	'widening'	ēgá	'calculation'
-		ēgbē	'suspension'	īgbé	'vegetable'

Table 2 Tones of nouns before and after non-depressor consonants.

Tone realization at a more global (phrasal) level appears to be relatively uninfluenced by declination. There does appear to be some form of lowering, which we refer to as automatic downstep, however, detailed work to understand the true nature and motivation of this downtrend is only in the initial stages.

Transcription of recorded passage

Narrow phonetic transcription To be especially noted is the degree of elision and contraction when compared to the phonemic transcription that follows.

mō wà: || ēsīēkpè té lī xēlí īŋwūļī ŋwè || kánōtō p^wí ógbì || mā? ōŋā máséá | lī wī nā | ká lī kàbō || kálī kò àbójúŋné | lī kō máāgō | ōŋámījímō ò::: klíbīā tó::::: | ōsīē tó:::: || ká ésūōkpè | té ká lī ɲnē || āpūté ésīōkpè | té ŋēnáwà gànégbì dò sīā || āí lí wlī ɣōːŋâ | tōːvlà lī vlái: zéā || lí kò waí ìgàː || kī nō ŋâ: || nó kó wôtò māgó || nó wāwā málōfó || nó sīā wé sā tó:::: || nō sí tō wí || ōŋá má jó gē tó sĩā ésūōkpè | tó ā vlài vlá já ɣínū gâ || áí ɣā kló || ádīō ísòà | ā dìābí jáɣ úgbògōtū sí ōnìgbì jōfi || Phonemic transcription with English glossing

mū wàà ésūēkpè té lí xēlí íŋlí ìŋwè ká ní òtò pū jí ògbì They - say - young girl - ART - she - be - years - five - then - her - father - give - her – husband. má 5 nâ má séā lí wá ínā ká lí k5 āb5 CONJ - man - DEM - DEM - he - kill - animal - and - he - please - parents-in-law ká lí kō ābó fúnwēnē lí kó mí ágō and - he - please - parents-in-law - things - he - build - them - houses. 5 nâ má jí klíbīā tú 5 síē tú Man – DEM – he – suffer – so much – he – become tired – so much ká ésūēkpè té lí nrē then - young woman - ART - she - become marriable āpūté ésūēkpè mé ō nre ká l5 gànáwá ēgbì dòē when - young-woman - DEM - she - become pubescent. Then - she - be able husband – go to bed séā ājí lí wlīxē 5 nâ táā 5 wlà lí wlá jí séā lí k5 wājí ig5ā then - if - she - see - man - DEM. - Only - she - insult - him - then - she - NEG - go - feel like. ká ìnù 5 nâ nó kó wá òtò má ág5 then - I - man - I - build - your - parents - houses nó wāwā mí álōfó I – cut down – their – palm trees nó sĩēwā tú ā ní 5sí té 5wí ésūēkpè té 5 I - tire - so much - you - my - wife - DEM - be - young woman - DEM - onlyvlā lí vlá jí ā ájí xíā inū gá ájí xíā ēkló ká lí ďíō jí insult - she - insult - him - you - with - your - head - big - with - your - legs - CONJ - she - leave - him ìsòà ālí díā ābú jáxā úgbōgōtừ ònìgbì jíā ōfì then - she decide - leave - now - as - Ugbogotu - rich - for its - child.

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