Hotadu Grammar with Texts and Vocabulary

Pås zehho shehmi'gi Khota dü mö heppa mö babshehmi

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Kos, wahwah sam ay, kos, hir nehha Sohmė ba hejo'ssho, yisa wah sam khota te hmaha zukko bak.

—Teri Perätshet, maj zåg shehmi te Ingan.

0 Introduction

Hotadu (*Khota dū*, "the language of things") is a constructed engineered language that was started in March 2023 by Nicolas Antonio Cloutier. It is an engineered language with no verbs. All independently grammatical phrases in Hotadu can be syntactically parsed as noun phrases, which is what inspired the language's name. It was created for purely recreational purposes, and has been considered by the creator more or less finished since late August 2023. All changes since then have been minor additions to vocabulary or grammar.

0.1 Abbreviations

first person
 second person
 third person

BoS: beginning-of-sentence par-

 ${\rm ticle}$

CELEB: celebratory particle CLOSE: nearby deictic modifier CONFUSION: confusion particle

COP: pseudo-copula DEM: demonstrative excl.: exclamation

FAR: far-away deictic modifier

GEN: genetive

EoS: end-of-sentence particle

HE: heigher-than-expectations

particle
INQ: inquisitive
INSTR: instrumental

E: lower-than-expectations

particle

MOCK: mocking particle

n.: noun N: noun

NP: noun phrase OPT: optative

ORD: ordinal number POL: politeness marker

POSSIBLE: possible state parti-

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m cle}$

prn.: pronoun

R: relational REFL: reflexive

IND.REFL: individual reflexive REGRET: regrettable event par-

ticle

RP: relational phrase

S: statement

SURPRISE: surprise particle

V: verb VOC: vocative VP: verb phrase

Y/N: yes or no question

1 Phonology

Hotadu is not a language particularly concerned with phonology. Its creation was mostly motivated by a will to explore grammatical and syntactic concepts, and as such its sound system may leave something to be desired for the more phonologically focused of language constructors. This is, for the most part, on purpose, as having a simpler phonology allows more focus to be put on the more interesting aspects of the language. That being said, its phonology can be defined as follows:

1.1 Phonemes

Table I: Consonants

	Labial	Alveolar	Postalveolar	Palatal	Velar	Glottal
Plosive	рb	t d			kg	
Nasal	m m	ņ n				
Trill		ŗ r				
Fricative		s z	J 3		хү	h
Approximant	(w)			j	(w)	

Table II: Romanization of consonants

	Labial	Alveolar	Postalveolar	Palatal	Velar	Glottal
Plosive	рb	t d			k g	
Nasal	hm m	hn n				
Trill		hr r				
Fricative		S Z	sh j		kh gh	h
Approximant	w			у	W	

The language uses a standard five-vowel system with length. A long vowel is written with a dot diacritic over it (e.g. long $\langle a \rangle$ is written $\langle \dot{a} \rangle$), with the exception of long $\langle i \rangle$, which is written $\langle \dot{i} \rangle$.

1.2 Syllable structure

The language has a CV syllable structure, except for word-finally, where it is CV(C), and word-initially, where it is (C)V. Loan words can be (C)V(C) in any position, and compound words are CV(C) in all positions except initial, where they are (C)V(C). Intervocally, all consonants can receive phonemic gemination. If a consonant that morphologically should receive gemination appears phonologically next to another consonant or at the very end or beginning of a statement, it loses its gemination. The clusters [hr], [sh], [hh], [hn], [hn,] and [gh] are written $\langle h'r \rangle$, $\langle s'h \rangle$, $\langle k'h \rangle$, $\langle m'h \rangle$, $\langle n'h \rangle$, and $\langle g'h \rangle$, respectively. If the middle of the cluster is the boundary between a word and a clitic dependent on it, two apostrophes are used.

2 Grammar

2.0 Syntactic bases for a verbless language

Being a verbless language, Hotadu must get by implying most things. Most phrases in the language contain only nouns, with sparse grammatical particles and interjections to provide context, and verbs must be implied either by context or convention. Hotadu grammar is, at its core, a series of rules on how to create such implications: how to interpret and mold what is esentially just a list of nouns such that it becomes a cohesive utterance.

Syntactically, Hotadu is simply a list of noun phrases. It does have other types of speech, but all are subordinate to nouns. There are adjectives and pronouns, but both can occur independently as their own noun phrases, meaning they act very similarly to nouns. There are two parts of speech in Hotadu that differ significantly from nouns: relationals and interjections/particles. Interjections and particles act the same way, with the only difference being that interjections generally modify the tone that a particular utterance is conveyed with, and particles tend to convey grammatical meaning. They generally appear at set positions within a noun phrase, such as at the beginning or end. The distinction between them is essentially arbitrary, and they might as well be treated as synonyms. Relationals define a relationship between two nouns, but only exist as modifications to noun phrases.

A noun phrase on its own in Hotadu simply carries the meaning that that there exists a noun satisfying what is described in that phrase, and two noun phrases next to each other with an appropriate pause or em-dash in writing signify that two noun phrases carry the same meaning within the context of the discourse. All other implications and meanings given off by noun phrases must be done through a series of conventions and rules on how to interpret Hotadu. The most important of these is that the speaker pay attention to new information first and foremost. For example, if a speaker were to say "a man with a hat," this on its own may not appear to give off much meaning. In the context of Hotadu grammar, however, since it is a standalone noun phrase, it is interpreted as an existential statement, so its meaning could equally be "there is a man with a hat." Suppose, for the sake of example, that the listener already knows that there is a man, and the speaker knows the listener knows this. In this case, the fact that a man exists is not the new information, it is instead that the man has a hat, meaning the implied meaning of this phrase is "the man has a hat." This pattern is highly-context dependent, meaning two identical utterances could have entirely different meanings in different contexts.

Looking at some Hotadu phrases, it may be initially puzzling what certain words are doing in the sentence if they are not verbs. Take the following sentence:

(1) mėta sam ag man INSTR tool

The man uses the tool.

In the above sentence, it would appear as if the instrumental particle sam could be easily, and perhaps more accurately, thought of as a verb. A more thorough analysis of Hotadu syntax, however, will reveal this to not be the case. Firstly, while the sentence is translated as "the man uses the tool," like many translations from Hotadu, this is more of an implied meaning than an explicitly stated one. The true meaning of this sentence is not "the man uses the tool," but rather "the man with a tool," or "the man who is using a tool." In keeping with Hotadu grammatical rules, this statement on its own means "there is a man with a tool" or "there is a man using a tool." In the implied context this sentence is given in, however, it is expected that the fact that a man exists is not new information; the new information is instead that he is using a tool. In this way, the true meaning that the sentence is intended to give off, and the one it does give off with correct parsing, is "the man uses the tool," which is the given translation. This reveals the phrase as being a noun phrase first and foremost rather than a verb or relational-centered phrase. Take the two following syntax trees:

Figure I: Correct Hotadu parsing

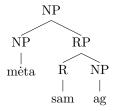
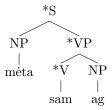


Figure II: Incorrect Hotadu parsing

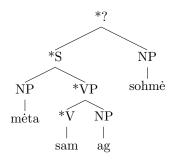


In truth, all independently grammatical Hotadu phrases are noun phrases. This is the only analysis that makes sense when faced with examples such as the following:

(2) mėta sam ag — sohmė man INSTR tool COP big The man with the tool is big.

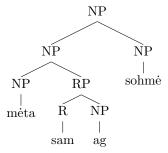
The verb-central way of parsing the language would not make any sense, as follows:

Figure III: Incorrect Hotadu parsing on complex noun phrase



While the noun-central way of parsing the language is able to account for this pattern perfectly, as follows:

Figure IV: Correct Hotadu parsing on complex noun phrase



It should be noted that, as displayed in the above tree, this entire phrase is itself a noun phrase. Its "true meaning" is "the man with a tool that is big," or "there is a man with a tool that is big," but through the same discourse process used to determine a more accurate context-based intended meaning used in the previous example, this can be better translated as "the man with a tool is big" because this is the new information; the information intended to be passed on by the phrase. Since this phrase as a whole is still a noun phrase, another noun phrase could be added to the end in another equative statement. For example, if the word "red" were added to the end with a pseudocopula as described in section 2.3, the phrase would have the true meaning "the man with a tool that is big and red," or "the man with a tool that is big is red." This process can be repeated ad infinitum, giving a syntactic justification for considering the prosodic pause between noun phrases in an equative statement a pseudo-copula rather than a true copula, as it is not the center of a

verb phrase, or any phrase for that matter. In that way, it cannot be syntactically considered a verb. Obviously, this process is highly context-dependent, and the "most correct" meaning of these examples will vary based on the situation they are spoken in.

2.1 Existential statements

In Hotadu, a single noun phrase on its own is an existential statement on that noun phrase. Essentially, stating a noun on its own implies that you are stating that noun's existence. Examples are as follows:

(3) hebbash fire

There is a fire.

This is the simplest grammatical pattern in Hotadu, and is used as a basis for numerous other patterns. A single noun can also function as the answer to a question inquiring about a particular noun.

2.2 Existential locative statements

An existential locative statement is a simple extension of the existential statement that adds a locative component. The statement gives the meaning that the particular noun exists in a particular location.

(4) eku huppis roghů
here parent strong
There is a strong parent here.

2.3 Equative statements

Equative statements are used where the copula would be in languages with a copula — to equate two things to each other. In writing, an em-dash (—) between the arguments is used to signify this pattern, and in speech it is signified by a short pause between them. This is glossed as a copula, but it is not a true one because it is not a verb, only a short pause in speech, or a piece of punctuation in writing.

- (5) khota du khota language thing COP language Hotadu is a language.
- (6) hnoyė jöro-'gi hupis failure COP success-3.GEN parent Failure is the mother of success.

2.4 Changes of state and kos

To descibe a change in state of a particular situation, the word kos ("then") is used. When used in the context of a larger story, it has the same meaning as it does in most languages, but used without such context, it implies that the situation being described only recently came to be, and marks a change from the previous situation. This pattern is associated with the past, but can be used to describe current and future situations as well. Compare the first two examples to the second two:

- (7) kora majjo woman COP clever The woman is smart.
- (8) síh ba hrasha-'ssho food inside mouth-1.GEN The food is in my mouth.
- (9) kos kora majjo then woman COP clever The woman wisened up.
- (10) kos síh ba hrasha-'ssho then food inside mouth-1.GEN *I ate the food.*

2.5 Yes/no questions and ne

To ask whether a certain thing is the case, simply end the phrase with the yes/no particle ne, as follows:

- (11) khota du khota ne language thing COP language Y/N

 Is Hotadu a language?
- (12) hebbash ne fire Y/N

 Is there a fire?

2.6 Negation, confusion, and $g\dot{a}$

There is no set way to negate that is standard in all situations, but different functions of the language can together play the role of negating a verb. In response to a yes or no question, the way to respond in the negative is to use $g\dot{a}$, the confusion particle. This particle, when placed at the end of a phrase, expresses a speaker's confusion over that phrase. This can be used to negate a question in the dialogue that follows:

- (13) mėta rė gabė-'ju ne man in.front eye-2.GEN Y/N Do you see the man?
- (14) mėta gå man CONFUSION The man? (meaning: no)

This is not, however, the only use of this particle. It can also be used in the context of a number or amount to express disbelief over that number or amount. In the dialogue that follows, the second speaker implies with their response that the score the first speaker got on the test is not an ordinary score; it is either much heigher or lower than what they would expect.

- (15) eho-'ssho ut ihm huyye score-1.GEN COP nine 10^1 eight I got a 98 (on the test).
- (16) ut ihm huyye gå nine 10¹ eight CONFUSION 98?!

2.7 Basic relative time

Expressing time can be complicated in a language that has no explicit mechanism for time expression. The simplest way would be to treat time as syntactically equivalent to place: *i.e.*, to use a locative existential statement with the time as the location, as follows:

- (17) eku-'so saba sohmė here-time conflict big

 There is a biq conflict now.
- (18) hà eku mèta past here man

 There was a man here.

This pattern, however, is somewhat clunky an unnatural-sounding, akin to saying "there was a man here in the past" in English, rather than simply "there was a man here," and would typically only be used if the speaker specifically wanted to point out the time in the phrase, rather than just being an incidental detail. A second option for marking the past in a less heavy-handed way would be the use of kos ("then"), which has strong associations with changes of state, and implies the past unless it has been previously established that a story is taking place in the present or future.

(19) kos höhö ba ekar then dog in house The dog entered the house. The idiomatic statement "further down the path" ($wah\ r\dot{e}\ hnag\dot{a}$) can be used to express the future in a more natural-sounding way. The first person pronoun wah can be raplaced with second or third person pronouns or specific nouns if the statement concerns something happening to someone other than the speaker.

(20) wah rè hnagà jòro bí 1 in.front path success CELEB I will have success.

Once a timeframe is established in a story, future clauses are assumed to take place within that timeframe unless otherwise stated.

2.8 Possession

The possessed form of a noun phrase is given by the noun phrase followed by one of three enclitics denoting possession: 'ssho in the first person (becomes 'sho if the preceding word ends in a consonant), 'ju in the second, and 'gi in the third. To specify the noun phrase that is the possessor, follow the possessed-enclitic pair with that noun phrase.

(21) mėta ba ekar-'sho man in house-1.GEN The man is in my house.

2.9 Causation and kos ...kos ...

When wanting to say that a particular change of state caused another, simply place the two next to each other. The first change of state statement will be interpreted as the cause, and the second as the effect.

(22) kos wah — rissi, kos ahmä-'gi — sohmė then 1 COP loud, then ear-3.GEN COP big

I talked to him (lit: I got loud and his ears got big.)

2.10 Narrating dialogue

The primary vehicles used for narrating dialogue are the genitive enclitics described in section 2.8. When narrating that a particular person said something, the idiom *shehmi'gi* ("their words") is used, which can be extended to other persons.

(23) shehmi-'gi ekko kos wah — sohme kos ge îk magi-'gi word-3.GEN wind then 1 COP big then 3 away coat-3.GEN The wind said: I will blow and he will take his coat off.

2.11 Numbers

Hotadu uses base 10. Cry about it. A number is read out by saying the value of a digit followed by the name of that digit (e.g. hundred, thousand, ten). The following tables contain digits and place names, respectively.

Table III: Digits 0-91

Name	Value
awwe	0
ot	1
isot	2
ekki	3
meh	4
ígh	5
khar	6
geh	7
huyye	8
ut	9

Table IV: Digit places

¹Note that in gloss in this grammar the digit values 1, 2, and 3 are glossed as "one", "two", and "three" in order to avoid confusion with the first, second, and third person markers that are glossed as "1", "2", and "3", respectively, but all other digits are glossed in Arabic numerals.

Name	Value
het	10^{-5}
beku	10^{-4}
iggo	10^{-3}
hnu	10^{-2}
sot	10^{-1}
ot	10^{0} 2
ihm	10^{1}
sòr	10^{2}
mam	10^{3}
ipo	10^4
tir	10^{5}

Because of the versatility of this system, numbers do not necessarily have to be said in their traditional order. While it is most common to say digits from largest to smallest, alternative orderings of these digit-place pairs are strictly grammatical, if somewhat confusing. They do not have much utility, but may be used e.g. to build suspense on the reveal of the magnitude of a large number, by deliberately starting on the smallest digit and working up. Another potential use could be correcting a mistake another speaker has made. For example, if one speaker claims that a particular value is equal to 425, but in reality it is equal to 435, another speaker correcting this original speaker could begin with the tens place and then follow with the hundreds and ones places to bring deliberate attention to the digit the speaker made the mistake on, as follows:

- (24) meh sör ekki ihm ígh $4 10^2$ three $10^1 5$ Four hundred thirty-five.³
- (25) ekki ihm meh sör ígh three 10^1 4 10^2 5 Four hundred thirty-five.⁴

After a number is said, kup can be used to mark it as negative, and tam as imaginary. Complex numbers are always stated imaginary part first, with tam acting as delimeter between imaginary and real parts. Each section of a complex number can individually receive kup, and, if an imaginary number is negative, kup is always said before tam.

Ordinal numbers are stated by following a cardinal number with the modifier juh, as follows.

(26) meh sör ekki ihm ígh juh $4 10^2$ three $10^1 5$ OPT Four hundred and thirty-fifth.

2.12 The optative

The optative particle ghu is used at the end of a sentence to denote that a speaker wishes a particular thing were the case. It also implies that that situation is not the case currently, and as a result implies a change in state. Using ghu with kos would be considered redundant as a result. This would be unnatural-sounding and ungrammatical, as is the second example given.

- (27) massi ghu fortune opt Good fortune to you (greeting).
- (28) * kos massi ghu
- (29) ge ėsa ghu 3 cop happy opt I wish he were happy.

This can be combined with the regrettable event particle o to form a past optative for when speaker wishes something would have happened, implying it did not, as follows:

²This need not be used if the ones digit comes at the end of a number, but it must be used otherwise.

 $^{^3}$ This is the typical, unemphasized way of phrasing this number.

⁴This brings particular attention to the tens place.

(30) ge — ėsa ghu'o 3 COP happy OPT.REGRET I wish he had been happy.

2.13 The vocative

The vocative particle o is used sentence-initially to denote the vocative, used when directing speech at a particular person. It is differentiated by the regrettable event particle o by its sentence position, as the other particle appears sentence-finally.

(31) shehmi-'ju a o mika se word-2.GEN INQ VOC weak.person MOCK

What the fuck did you just fucking say about me, you little bitch?

2.14 The regrettable event particle o

The regrettable event particle o is used sentence-finally to denote that a speaker feels that the situation they describe is regrettable in some way. It can be used to lend a respectful and empathetic tone when relaying bad news to someone. When combined with the mocking particle se, it can be used to denote that the situation described by the speaker is, from the point of view of the speaker, overplayed in terms of how unfortunate it is, or it could denote that a speaker feels a certain schadenfraude in the unfortunate event occurring.

- (32) hnoyè o failure REGRET I have failed.⁵
- $\begin{array}{ccc} (33) & \mathrm{ge} \, & \mathrm{sim} & \mathrm{o} \\ & 3 & \mathrm{COP} \ \mathrm{death} \ \mathrm{REGRET} \\ & They \ have \ died. \end{array}$
- (34) hnoyė o se failure REGRET MOCK

You failed (with a connotation either that the person in question should get over it or that the speaker is glad the person failed). 6

2.15 The mocking particle se

This particle explicitly declares that a statement is meant as an insult. The particle will always be interpreted as rude, never as friendly banter, and should only be used if this is the intention.

(35) shehmi-'ju a o mika se word-2.GEN INQ VOC weak.person MOCK What the fuck did you just fucking say about me, you little bitch?

2.16 Body part idioms

One of the ways certain verbs' meanings can be expressed in Hotadu is through the use of idioms using human body parts at times combined with locative statements, implying some action associated with the body part and location is being done. A non-comprehensive list of these can be found below, with the demonstrative noun maj ("human") being used for the subject of the implied verb if necessary and first person genatives being used in reference to the body parts.

Table V: Body part idioms

Hotadu	English	Meaning
Kos, ahmå'ssho — sohmė.	My ears got big.	I listened.
Maj rė gabė'ssho.	The person is in front of my	I see the person.
	eyes.	
Kos, maj ba hrasha'ssho.	The person entered my mouth.	I ate the person.
Maj ba hejo'ssho.	The person is in my head.	I think about the person.
Maj ba hejo'ssho.	The person is in my head.	I know the person.
Kos, hrasha'ssho — måsa.	My mouth became a hole.	I spoke.
Hrasha'ssho — shùr.	My mouth is tight.	I am not speaking.
Gabė'ssho sho maj.	My eyes are towards the per-	I am staring at the person ⁷ .
	son.	

⁵Depending on the context, this could denote anyone failing.

⁶Again, this could refer to anyone given the context.

⁷This is differentiated from maj rė gabė'ssho in that the idiom implies a more agentive role on the speaker's part,

2.17 The inquisitive a

The inquistive particle a is used sentence-finally to denote that a speaker wishes for the person they are conversing with to give information on or elaborate on a particular topic.

- (36) shehmi-'ju a
 word-2.GEN INQ
 What did you just say?
- (37) dù sa roghù heb a thing two strong one INQ

 Of the two, which is the strongest one?

2.18 Expectation, hro, and mas

A certain fact being better or worse than what the speaker believes would be expected can be denoted by the end-of-sentence particles *hro* and *mas*, respectively. *Hro* denotes that the fact described by the speaker is worse than the expectations of the speaker or of people in general (depending on context), such as a low score, poor performance, or a disappointing event. *Mas* denotes that a speaker believes that what they are describing is better than expectations. It is worth noting that these do not denote differences in number, as *mas* could be used to describe something unexpectedly low in number (if that thing being low in number is good), and *hro* can be used to describe something unexpectedly high in number (if that thing being high in number is bad). *Hro* and *mas* denote sentiments, not semantics.

- (38) eho-'ssho ut ihm huyye mas score-1.GEN COP nine 10^1 eight HE $I \ qot \ a \ 98!$
- (39) mė zígirra hro se 2 COP target LE MOCK You are just another target.

2.19 The ambiguity-clearing particle te

The ambiguity-clearing particle te is an always-optional particle that can help group larger noun phrases into smaller units for easier parsing on the part of the speaker. The use of this particle and what counts as the most logical grouping within a large noun phrase is at the discretion of the speaker. It is glossed as "of," as it has certain similarities to this word, but it is in no way identical to it, as apparent in the second given example.

- (40) mejäk te hrasha sår bird of mouth many Bird of many voices.
- (41) mejäk hrasha te sär bird mouth of many Many songbirds.
- (42) suhu sím hriko te Amèrika group death government of America The American military (lit: government death group of America).
- (43) suhu te sím hriko Amerika group of death government America Group of the death of the American government⁸.

2.20 Reduplication

Reduplication has the primary purpose of marking grammatical number in Hotadu. Reduplication is never necessary, but it can be used to mark something as plural. This is primarily used for emphasis, and is usually not used after plurality has already been established (either through a previous usage of reduplication or some other more explicit marker of plurality). For instance, the word $s\dot{a}r$ ("numerous") is almost never used in conjunction with reduplication, as it alone establishes

which is what gives this the meaning of actively staring rather than more passively seeing. "Looking" may also be an acceptable translation, but it is mainly used to emphasize that the looker is taking an active role in doing so, making "staring" the most accurate translation.

⁸This doesn't mean much, but grammatically there is nothing wrong with it.

plurality. If a speaker wants to particularly emphasize the point that there were multiple of this object, however, this can occur, as well as multiple instances of reduplication or some other form of plurality marking in short succession.

- (44) kos maj-maj ba ekar'sho then person-person in house-1.GEN Many people entered my house.
- (45) ekki sör sím-sím eso wah mas three 10^2 death-death because 1 HE I have over 300 kills⁹.

2.21 Spatial deixis

Spatial deixis can be used to denote an object as being ubicated close or far from a speaker, listener, or third party. This is primarily achieved through the use of a demonstrative, which can take the following forms:

Table VI: Demonstratives

	Speaker	Listener	Third party
Close	hù	nù	tù
Far	hė	nė	tė

This is used after the noun phrase it modifies, as follows:

- (46) mejāk h-ū nahe bird DEM.1-CLOSE COP beauty This bird by me is pretty.
- (47) mejāk n-ū nahe bird DEM.2-CLOSE COP beauty That bird by you is pretty.
- (48) mejäk t-ė nahe bird DEM.3-FAR COP beauty That bird far from them is pretty.

2.22 Directionality

Directionality can be given as a modifier to a noun phrase when a speaker wishes to convey that a particular object is faced in a particular direction, be that a general direction or that of another object. This is primarily achieved through the directional relational *sho*.

- (49) wah ba zígirra sar mas zígirra sho al.quaeda 1 in arrow many HE arrow towards Al.Quaeda I've been involved in numerous raids on Al-Quaeda
- (50) gabė-'ju sho ag-'gi eye-2.GEN towards tool-3.GEN You are staring at his tools.

2.23 Basic math

Basic mathematical expressions are, like other phrases in Hotadu, expressed as noun phrases. They use the relational $m\dot{o}$ ("with") to give their intended meanings. The basic operations are kapa ("addition"), getto ("subtraction"), eppa ("multiplication"), and suk ("division"). The two arguments have a short stop between them in speech, and are seperated by the comma in writing. They are used as follows:

- (51) kapa mo ot ekki meh addition with one three COP 4 1+3=4
- (52) eppa mo ot ekki multiplication with one three

⁹Here, the use of reduplication is unnecessary because it is implied by the given number. The speaker, however, wishes to express that this is a large number, as further evidenced by the sentence-final use of the higher-than-expectations particle *mas*, with reduplication being used to further emphasize this.

2.24 The possible state particle bak

The particle bak is used to mark that a certain noun phrase could or could not exist, which, in the context of the discourse, often takes the meaning that a particular described or implied state could or could not exist. Its closest equivalent in English would be the phrase "whether or not." It is used as follows:

- (53) kos wah-wah sam ay kos hir nehha sohme ba hejo-'ssho yisa then 1-REDUP INSTR communication then maybe information universe in head-1.GEN but wah sam khota te hmaha zukko bak
 - 1 Instr language of fruit safe Possible

We try to communicate the secrets of the universe with a language meant to tell whether it's safe to eat fruit. 10

2.25 Pro-drop and noun dropping

Noun phrases can be dropped or implied in relational phrases when they are established in the discourse as having appeared in a previous relational phrase.

(54) ge-ge mỏ happỏ hèk gab mỏ harro hèk sùhad 3-REDUP with brick instead of rock with asphalt instead of mortar They had brick for stone, and they had asphalt for mortar.

In the above example, gege is established as the first noun phrase of the relational $m\dot{o}$, and does not need to be restated for the second use of $m\dot{o}$. In writing, there would be a comma before this second $m\dot{o}$ to differentiate what is intended to be said, that this is a second replacement that the first noun phrase gege has made, from an alternate interpretation based on the words alone, that instead the entire first part up until and including gab is one noun phrase that is the first in a larger relational phrase. In speech, this separation would instead be a short pause before the second $m\dot{o}$.

2.26 Groupings

A particular noun phrase can be established as a group topic if used before a comma in writing or a short pause¹¹ in speech. This can be best seen through example.

- (55) ekko mo hebbash sohme, saba wind with fire big conflict There was a conflict between the Wind and the Sun.
- (56) suhu-'ssho, eho-'ssho yarí bag class-1.GEN score-1.GEN COP high most I have the highest grade in my class.

2.27 Because and object creation

The word *eso*, "because," can be used to imply a causative and specify who or what was the catalyst for the creation of a particular object or situation.

- (57) ekki sör sím-sím eso wah mas three 10^2 death-death because 1 HE I have over 300 confirmed kills.
- (58) khota khota-'gi hėro sar eso mahot language language-3.GEN earth COP because god God created the many languages of the Earth.

2.28 Personal pronouns

In Hotadu, personal pronouns have essentially the same syntactic role as nouns, and only differ on semantics. The following are the personal pronouns of Hotadu:

Table VI: Personal pronouns

	Singular	$ m Plural^{12}$
1st person	wah	wahwah
2nd person	mė	mėmė
3rd person	ge	gege

¹⁰Adapted Terry Pratchett quote.

 $^{^{11}}$ Differentiated by the psuedo-copula pause in that it is slightly shorter.

¹²Much like nouns, the plural is optional for pronouns.

2.29 The reflexive makke

The word makke can be used as a reflexive in Hotadu. Syntactically, it behaves the same as other nouns, but has a particular meaning that sets it apart from other words. When used on a group of people, makke means "each other," to give the meaning of the individual selves of each person within a group, the word $b\dot{e}wa$ is instead used. For glossing purposes, makke is glossed as REFL and $b\dot{e}wa$ is glossed as IND.REFL.

- (59) shehmi-'gi ge-ge sho makke happo h-ù eso wah-wah ghu word-3.GEN 3-REDUP towards REFL brick CLOSE-1 because 1-REDUP OPT

 Then they said to one another, "Come, let us make bricks and bake them thoroughly."
- (60) shehmi-'gi ge-ge sho hèwa happò h-ù eso wah-wah ghu word-3.GEN 3-REDUP towards IND.REFL brick CLOSE-1 because 1-REDUP OPT

 Then they said to themselves, "Come, let us make bricks and bake them thoroughly."

2.30 Comparison statements

Comparisons can be made between two items with the sentence structure \dots_1 mat \dots_2 te \dots_3 yarí. The item that displays more of a particular trait goes in the first position, the item that shows less in the second, and the trait in question in the third. The literal translation of this could be " \dots_1 is more \dots_3 than \dots_2 ."

(61) humma mat dish te ekegh yari there as here of bad most It is worse there than here.

If the speaker wishes to state that two items have the same amount of a particular trait, they may do so by simply equating the two, as follows:

(62) humma ekegh — dísh ekegh there bad COP here bad It is as bad there as it is here.

Additionally, equality can be expressed by removing yari from the original sentence structure.

(63) nimdok mat wah-wah te mo sughe bahe Nimdok as 1-REDUP of with certainty none Nimdok was as uncertain as we.

2.31 Days of the week

Days of the week are expressed by following the word *tippe*, "day," with the number day it is, beginning with one on Monday and seven on Sunday, followed by the ordinal number marker *juh*. In any formal or semi-formal writing, the number is never replaced with its digit representation, instead being fully written out. In order to distinguish from merely expressing an ordinal day in writing, the number and ordinal marker are written with an apostrophe instead of a space between them, as follows:

- (64) tippe meh-'juh day 4-ORD Thursday
- (65) tippe ot-'juh day one-ORD Monday
- (66) tippe ígh-'juh day 5-ORD Friday

2.32 The politeness marker nu

Politeness can be explicitly marked on a phrase by adding nu, the politeness marker. When used on a noun phrase, this would typically mark a request for some object, however, when used after the optative marker ghu, it implies that whatever the optative marker modifies is a request 13 and adds politeness to said request.

¹³A request can still be made with the optative marker and no politeness marker, and in fact with no optative marker at all, depending on context and other factors, but the most explicit way to mark a request that someone do something is an optative marker followed by a politeness marker.

- (67) síh nu ${\rm food}\,\,{\rm pol}$ (Pass the) food, please.
- (68) síh ghu nu food opt pol

3 Lexicon

3.1 Nouns, adjectives, and pronouns

abbe: n., "prison, dungeon." aq: n., "tool." aq sím: n., "weapon." From aq, "tool," and sím, "death." ahāl: n., "fear, fearful, afraid." ahmā: n., "ear." aho: n., "good, competent." Amėrika: prop. n., "America, the United States." From the English America. así: dem., "In this/that way, like this/that." ay: n., "communication, sharing." "collection, graph bab: n., (mathematics)." babay: n., "network, social network." From bab, "collection," and ay, "communication." $babhay\dot{u}\text{: n., "city, town."}$ From bab, "collection," and hayu, "building." babshehmi: n., "dictionary, lexicon." bab aq sím: n., "arsenal." From bab, "collection," and ag sím, "weapon." bag: n., "most." bahe: n., "none, nothing." bāp: n., "left hand direction." benso: n., "pig, boar." ber: n., "bone." ber hejö: n., "skull, cranium." From ber, "bone," and hejo, "head." berra: n., "hat." berrásohmė: n., "sky." From berra, "hat," and sohme, "big." $b\dot{e}wa$: n., "the individual reflexive." bis: n., "moral, good, ethical, pure." bogi: n., "cut, incision." daro: n., "place, location." dehni: n., "year." dena: n., "return, turn-around, revenge, reciprocation." dish: n., "here." $d\dot{u}$: n., "thing." ebe: n., "kid, child." eho: n., "score, grade." n., "house, building, ekar: room." ekegh: n., "poor, bad, depraved, cruel."

ekko: n., "wind."

ekos: n., "part, element, subdivision, component." erepanta: n., "elephant," from English *elephant*, "elephant." eppa: n., "multiplication." esir: n., "all." etar: n., "foreign, alien, uncommon." ėm: n., "flat, level." ėmguhahu: n., "valley." From ėm, "flat," guha, "low," and hu, "land." ėmhu: n., "flatlands, plains." From $\dot{e}m$, "flat," and hu, "land." ėsa: n., "happy, content thing." ėssi: n., "early." gab: n., "rock, stone." $gab\dot{e}$: n., "eye." gabhnür: n., "ice." From gab, "rock, stone," and hnür, "cold." gahmu: n., "shadow." gareg: n., "metal, iron." qarís: n., "vomit." gape: n., "importance, important, crucial, critical, utility, productive." ge: prn., 3rd noun. gega: n., "time, occasion." gereg: n., "most recent, last, latter." getto: n., "subtraction." gėg: prop. n., "North." gish: n., "peach, pink color." goras: n., "can, jar, metal can." goriya: n., "gorilla." Spanish gorilla, "gorilla." guha: n., "low, small positive number." qusano: n., "worm." From Spanish *qusano*, "worm." gitan: n., "goal, objective." haleluya: excl., "Hallelujah." From Latin Hallelujah, lelujah." hamme: n., "reflex." happó: n., "brick." har: n., "barrier, roadblock, wall." harabbe: n., "prison bars, prison From har, "barrier," walls." and abbe, "prison." harro: n., "asphalt." haw: n., "waste, refuse." hawmik: n., "excrement,

and mik, "anus." hawsig: n., "urine, pee." From haw, "waste," and siq, "water." hayū: n., "tower, building." hebbash: n., "fire, flame." heb: n., "single." hejo: n., "head, skull, brain." hep: n., "other, subsequent." "conversation, n., speech, monologue, text." hėrat: n., "action, deed." hėro: n., "home." Hėro: prop. n., "the Earth." From hėro, "home." hisa: n., "hot, warm, active." hisa: n., "boiling, boil, boiled." From reduplicated hisa, "hot." hizo: n., "process." hnagå: n., "path, movement, motion."hní: n., "education, training." hnoyė: n., "failure, loss." hnür: n., "cold, inactive." hmaha: n., "fruit." hmak: n.. "hour." hmakėssi: n., "morning." From hmak, "hour," and ėssi, "early." hmíkku: n., "every, each, all." hmur: n., "new." howa: n., "danger." hòhò: n., "dog.' hrasha: n., "mouth." hrejjet: n., "gift, help." hriko: n., "politics, governance, government." hu: n., "land, earth, place." hupa:n.. "psyche, mind, brain." huppis: n., "parent, mother, father." hussa: n., "factually wrong, incorrect, mistake." hümma: dem., "there." *hūp*: n., "West." Ingan: prop. n., "England." From English England, "England." jād: n., "jade." jodar: n., "noise, yelling, onomatopoeia." joro: n., "success, win." kapa: n., "addition, summation." kapo: n., "short, few, little." kassi: n., "imitation." kitan: n., "normal, average,

From haw, "waste,"

poop."

median." quence." From sama, "life," and hmur, kitta: n., "manner, way." keppa: n., "ant, small bug." "new." samahmurekar: n., "computer kup: n., "negative number." kin: n., "foot." lab." From sama, "life," hmur, maggen: n., "thought, idea, khag: n., "monkey, ape." sentiment, concept." khota: n., "language." "new," and ekar, "room." magi: n., "coat, jacket." khota di: prop. n., "Hotadu." sapa: n., "ethereal, celestial." From khota, "language," and saw: n., "hand." mahot: n., "holy, venerated thing, deity." $d\dot{u}$, "things." sawwa: n., "abbreviation." mahwe: n., "old, elder, old persepam: n., "distance." khota záq: n., "engineered lan-From khota, "lanson, ancient." sėga: n., "folk, common, relatguage." guage," and $z\dot{a}g$, "design." maj: n., "person, human." ing to the people." majjo: n., "clever, smart." kora: n., "woman." sėpe: n., "right hand direction." makā: n., "light, brightness." shehmi: n., "phrase, sentence, kuha: m., "child." makke: n., "the self. Used as a mahi: n., "glory, honor." words." reflexive." meha: n., "body." shūr: n., "compact, dense." månet: n., "modesty, modest." mek: n., "skill, competency, so: n., "time." map: n., "donkey." ability." soro: n., "road." mapu: n., "leftover, thing that mekar: n., "trick, diversion." sig: n., "water, liquid." remains." simma: n., "end, finish." Mėhiko: prop. n., "Mexico." marük: n., "sense, taste, sight, From Spanish México, "Mexsisote: n., "mocking bird." sound, touch." ico." sitar: n., "praise, bragging, $m\dot{e}ta$: n., "man." massi: n., "fortune, good luck." brag." mawa: n., "color." misa: n., "whole, entire." siwar: n., "brother, sister, sibmay: n., "music." míso: n., "precision, precise ling." måsa: n., "hole, opening." thing." sím: n., "death, dead." mejāk: n., "bird." otisot: n., "a few, a small numsíh: n., "food, nutrition, fuel." ber." meppan: n., "center, main, censíh ba goras: n., "canned food." tral point." oshek: n., "blood once it has From síh, "food," ba, "in," and $m\dot{e}$: prn., 2nd person pronoun. left the body." qoras, "can, jar." mik: n., "anus." rajė: n., "love, adoration." sítu: n., "turn, occasion, opporrihan: n., "soul, essence." mika: n., "weak, fragile, cowtunity." rissi: n., "loud thing." ardly." sohmė: n., "big thing." minta: n., "appreciation, rerís: n., "change, diference." $Sohm\dot{e}$: n., "the universe." spect." roghü: n., "strong thing." $sugh\dot{e}$: n., "certainty, assuredmirre: n., "Roman mile." From rüka: n., "neutral, indifferent." ness." Latin *mille*, "thousand." pås: n., "field, area of study." suhaw: n., "idol, icon, holy armitta: n., "probability." pås shehmi: n., "grammar, lintifact." more: n., "flower." guistics, morphosyntax." From suhu: n., "group, cohort, class." muda: n., "demonstration." pås, "study," shehmi, "word." suk: n., "division." muhė: m., "strange, odd, funny, pås sukha: n., "espionage." From pås, "study," and sukha, sukha: n., "secret." crazv." summak: n., "nose." müs: n., "duty, necessity." "secret." sühad: n., "adhesive paste, nahe: n., "beauty, beautiful." peg: n., "floor." mortar." nehha: n., "knowledge, inforpesse: n., "wish." tam: n., "imaginary number." pizza: n., "end, endpoint." tippe: n., "day." mation, understanding." nísor: n., "ready, prepared." ragh: prop. n., "South." tuba: n., "vibration, shiver, sa: n., "pair, couple." nokhay: n., "cave, cavern, shrill rhythmic beat." hole." sår: n., "numerous, many." tüka: n., "transaction, sale, sell, $nug\dot{a}n$: n., "deranged, psysaba: n., "conflict, argument, buy." chotic, insane, crazy." war, quarrel." tümmis: n., "preference, will." sabasawkin: n., "unarmed comjuh: n., "ordinal number." uppaj: n., "hair." kam: prop. n., "East." bat, melee." From saba, "conwah: prn., 1st person pronoun. wudu: n., "voodoo." From Enkaris: n., "synthetic, sterile, flict," saw, "hand," and kin, "foot." monotonous." glish voodoo, "voodoo." sabín: n., "smell." yarí: n., "tall, high up." kawas: n., "platform." sager: n., "internal blood." $yash\dot{e}n$: n., "ragdoll, flimsy, kawas yarí: n., "the floor, the sagging, limp." ground (when viewed from besaggu: n., "unheard of, unlow." thinkable." zaghė: n., "name, noun." ZAN: n., "Internet, IP." From kazza: n., "test, quiz." sama: n., "life, lifetime." n., "computer." kāma: n., "effect, consesamahmur: Zehho te Ay Nehha, "Internet

Protocol." zehho, "rule," ay, "communi- attack."

 $z\dot{a}g$: n., "design, engineering." cation," and nehha, "informazukk \dot{o} : n., "safe, secured, not zehho: n., "rule, regulation, tion." dangerous, fresh (with food)."

convention." zėka: "enemy, antithesis, oppo-

Zehho te Ay Nehha: n., "Inter- site."

net, Internet protocol." From zígirra: n., "offensive, arrow,

3.2 Interjections, affixes, clitics, and particles

a: inquiring about noun particle, EoS. mas: above-expectation interjection, EoS.

bak: possible state particle, EoS. ne: yes/no question particle, EoS. bi: celebratory interjection, EoS. o: regrettable event interjection, EoS.

eso: because. o: vocative particle, BoS.

gå: confusion/negation particle, EoS. se: insulting/mocking interjection, EoS.

ghu: optative particle, EoS.sit: surprised interjection, EoS.ghu'o: past optative particle, EoS.'ssho: 1-possessed, enclitic.'qi: 3-possessed, enclitic.te: amiguity-clearing particle.

hir: maybe, perhaps. yak: so, then. hro: below-expectation interjection, EoS. ye: that.

'ju: 2-possessed, enclitic. yisa: but, however, although.

kap: otherwise.

3.3 Relationals

ab: faced away from. ik: away from, outside. mus: for, intended for.

ba: in. $kh\dot{a}r$: directly on top of. $r\dot{e}$: in front of.

bė: through. kos: after. sam: with (instrumental).

eku: here.kub: above. $s\dot{e}m$: beside. $h\dot{a}$: the past.man: underneath.sho: towards.

 \dot{hek} : instead of. mat: like, as. $y\dot{a}k$: evenly distributed across.

is: about. $m\dot{o}:$ with.

The Tower of Babel $Baber\ hay\dot{u}$

Kos, khota ot ba Hėro hro. So te kos, majmaj ab kam, ba ėmhu Shinar, kos, ėmhu — hėro'gi. Shehmi'gi gege sho makke, "happo hù eso wahwah ghu." Gege mo happo hèk gab, mo harro hèk sùhad. Shehmi'gi, "wahwah rė hnaga, babhayù mo hayù yarí yarí; wah mo joro ghu, kap yak Hėro o." Yisa kos, Mahot ba Hėro, kos, hayù mo babhayù te'gi kuha'gi maj rė gabė'gi. Shehmi'gi, "Majmaj — ot, khota'gi — ot, hù — hėrat'gi; eku'so, pesse'gi — hėrat'sho, kos, gege sam khota khota, kos, nehha bahe." Yak, kos, Mahot — hisa, kos, gege yak Hėro, kos, zag'gi — bahe. Yak zaghė'gi — Baber, eso khota khota'gi Hėro — sar eso Mahot. Majmaj ba hùmma, kos, yak Hėro eso Mahot. Simma.

- (69) kos khota ot ba hėro hro then language one in earth LE

 Now the whole earth had one language and one speech.
- (70) so te kos maj-maj ab kam, ba ėm-hu shinar kos ėm-hu—time of then person-REDUP faced.away east, in flat-land Shinar then flat-land COP hėro-'gi home-3.GEN

And it came to pass, as they journeyed from the east, that they found a plain in the land of Shinar, and they dwelt there.

- (71) shehmi-'gi ge-ge sho makke happo h-ù eso wah-wah ghu word-3.GEN 3-REDUP towards REFL brick CLOSE-1 because 1-REDUP OPT

 Then they said to one another, "Come, let us make bricks and bake them thoroughly."
- (72) ge-ge mo happo hèk gab mo harro hèk suhad 3-REDUP with brick instead of rock with asphalt instead of mortar.

 They had brick for stone, and they had asphalt for mortar.
- (73) shehmi-'gi wah-wah rè hnaga bab-hayù mo hayù yarí yarí word-3.GEN 1-REDUP front.of road collection-tower with tower high high And they said, "Come, let us build ourselves a city, and a tower whose top is in the heavens;
- (74) wah mo joro ghu kap yak hero o 1 with success OPT otherwise distributed across earth REGRET let us make a name for ourselves, lest we be scattered abroad over the face of the whole earth."
- (75) yisa kos mahot ba hėro kos hayù mò bab-hayù te-'gi kuha-'gi maj but then god in earth then tower with collection-tower of-3.GEN child-3.GEN person rė gabė-'gi in.front eye-3.GEN

But the Lord came down to see the city and the tower which the sons of men had built.

- (76) shehmi-'gi maj-maj ot khota-'gi ot h-\u00fc herat-'gi word-3.GEN person-REDUP COP one language-3.GEN COP one 1-CLOSE COP action-3.GEN

 And the Lord said, "Indeed the people are one and they all have one language, and this is what they begin to do;
- (77) eku-'so pesse-'gi hėrat-'sho kos ge-ge sam khota khota kos here-time wish-3.GEN COP action-1.GEN then 3-REDUP INSTR language language then nehha bahe understanding none

 now nothing that they propose to do will be withheld from them. Come, let Us go down
 - now nothing that they propose to do will be withheld from them. Come, let Us go down and there confuse their language, that they may not understand one another's speech."
- (78) yak kos mahot hisa kos ge-ge yák héro kos zág-'gi therefore then god COP active then 3-REDUP spread.across earth then design-3.GEN COP bahe nothing

So the Lord scattered them abroad from there over the face of all the earth, and they ceased building the city.

- (79) yak zaghè-'gi baber eso khota khota-'gi hèro sàr eso so name-3.GEN COP babel because language language-3.GEN earth COP many because mahot god
 - Therefore its name is called Babel, because there the Lord confused the language of all the earth;
- (80) maj-maj ba humma kos yak hero eso mahot person-Redup in there then spread across earth because god and from there the Lord scattered them abroad over the face of all the earth.
- (81) simma end $The \ end.$

The North Wind and the Sun Ekko. Hebbash Sohmė

Ekko m
ó Hebbash Sohmė, saba. Dù sa, roghù heb a? Kos, mėta kh
år soro man ge. Shehmi'gi Ekko: "Kos, wah — sohmė, kos, ge ík magi'gi." Kos, Ekko — sohmė. Kos, mėta m
ó magi'gi — shūr sit. Shehmi'gi Hebbash Sohmė: "Hussa se! Así." Kos, Hebbash Sohmė — hisa. Kos, mėta ík magi'gi. Así — nehha's
sho wahwah, ye Hebbash Sohmė — roghū. Simma.

- (82) ekko mo hebbash sohme saba wind with fire big conflict There was a conflict between the Sun and the Wind.
- (83) dù sa roghù heb a two thing strong one INQ Of the two things, which was strongest?
- (84) kos mėta khar soro man ge then man on.top road beneath 3 A man appeared on the road beneath them.
- (85) shehmi-'gi ekko kos wah sohmè kos ge ík magi-'gi word-3.GEN wind then 1 COP big then 3 away.from coat-3.GEN The Wind said: "I will blow, and the man will take his coat off."
- (86) kos ekko sohmė kos mėta mo magi-'gi shur sit then wind COP big then man with coat-3.GEN COP tight SURPRISE Then, the Wind blew, but the man only held his coat tighter.
- (87) shehmi-'gi hebbash sohme hussa se así word-3.GEN fire big wrong MOCK DEM

 The Sun said: "You are doing it wrong. Watch me."
- (88) kos hebbash sohmė hisa kos mėta ik magi-'gi then fire big COP hot then man away.from coat-3.GEN

 The Sun began to heat up, and the man removed his coat.
- (89) así nehha-'ssho wah-wah ye hebbash sohmė roghù DEM COP knowledge-1.GEN 1-1 that fire big COP strong This is how we know that the Sun is the strongest.
- (90) simma end The end.

Gorilla Warfare Saba goriya

Shehmi'ju a, o, mika se? Suhu Navy Seals'ssho, eho'ssho — yarí bag. Wah ba zígirra sar mas, zígirra sho Al-Quaeda. Ekki sör símsím eso wah mas. Hní'ssho is saba goriya. Suhu sím hriko te Amėrika, wah — maj ag sím míso te aho bag. Mė — pizza zígirra hro se. Kos, wah sam míso saggu, kos, mė — sím. Nehha'ju: eso mė sam ZAN, yak howa ík mė, ne? Mė — hussa se. wahwah ba so'gi heppa'ssho, kos hrasha'ssho — masa, kos babay te pas sukha yak Amėrika'ssho — hisa. Mė rė hnaga hro, kos zaghė ZAN'ju ba hejo'ssho. Nísor ghu, o map se. Kos, wah — hisa, kos, mė — sím. Mė — sím, o, ebe se. Wah ba daro hmíkku, wah ba gega hmíkku. Wah sam saw'sho hro, mė — sím, kitta geh sör mas! Mek te sabasawkin'sho — yarí yarí, kos, wah sam bab ag sím misa te Amėrika, kos, mė — sím, o hawmik se! Kama'gi shehmi'ju ba hejo'ju ghu'o, kos, hrasha'ju — shūr. Yisa, hrasha'ju — masa o, eku'so mė mo kama. Kos, mė is hawmik'sho se. Mė — sím, o, ebe se!

- (91) shehmi-'ju a o mika se word-1.GEN INQ VOC weak MOCK What the fuck did you just fucking say about me, you little bitch?
- (92) suhu navy.seals-'ssho eho-'ssho yari bag group Navy.Seals-1.GEN score-1.GEN COP high most I'll have you know I graduated top of my class in the Navy Seals,
- (93) wah ba zígirra sar mas zígirra sho al.quaeda
 1 in arrow many HE arrow towards Al.Quaeda
 and I've been involved in numerous raids on Al-Quaeda,
- (94) ekki sör sím-sím eso wah mas three 10^2 death-death because 1 HE and I have over 300 confirmed kills.
- (95) hní-'ssho is saba goriya eduacation-1.GEN about conflict gorilla I am trained in gorilla warfare
- (96) suhu sím hriko te amėrika wah maj ag sím míso te aho group death government of America 1 COP human tool death precision of competent bag most

 and I'm the top sniper in the entire US armed forces.
- (97) mė pizza zígirra hro se 2 COP end arrow LE MOCK You are nothing to me but just another target.
- (98) kos wah sam míso saggu kos mė sím then 1 INSTR precision unthinkable then 2 COP death I will wipe you the fuck out with precision the likes of which has never been seen before on this Earth, mark my fucking words.
- (99) nehha-'ju eso mė sam ZAN yak howa ik mė ne understanding-2.GEN because 2 INSTR IP so danger away.from 2 Y/N You think you can get away with saying that shit to me over the Internet?
- (100) mė hussà se 2 COP wrong MOCK Think again, fucker.
- (101) wah-wah ba so-'gi heppa-'ssho kos hrasha-'ssho måsa kos
 1-1 in time-3.GEN conversation-1.gen then mouth-1.GEN COP hole then
 bab-ay te pås sukha yåk Amërika-'ssho hisa
 network-communication of knowledge secret distributed.across America-1.GEN COP active

 As we speak I am contacting my secret network of spies across the USA
- (102) mė rė hnaga hro kos zaghė ZAN-'ju ba hejò-'ssho 2 in.front path LE then address IP-2.GEN in head-1.GEN and your IP is being traced right now,

- (103) nísor ghu o map se ready OPT VOC donkey MOCK so you better prepare for the storm, maggot.
- (104) kos wah hisa kos mė sím then 1 COP active then 2 COP death The storm that wipes out the pathetic little thing you call your life.
- $\begin{array}{ccccc} (105) & \mbox{m\dot{e}} & & \mbox{sím} & \mbox{o} & \mbox{ebe} & \mbox{se} \\ & 2 & \mbox{COP death VOC child MOCK} \\ & & You're \ fucking \ dead, \ kid. \end{array}$
- (106) wah ba daro hmíkku wah ba gega hmíkku 1 in place every 1 in occasion every I can be anywhere, anytime,
- (107) wah sam saw-'sho hro mė sím kitta geh sör mas
 1 INSTR hand-1.GEN LE 2 COP death way 7 10² HE
 and I can kill you in over seven hundred ways, and that's just with my bare hands.
- (108) mek te saba-saw-kin-'sho yarí yarí skill of conflict-hand-foot-1.GEN COP high high

 Not only am I extensively trained in unarmed combat,
- (109) kos wah sam bab ag sím misa te amèrika then 1 INSTR collection tool death entire of America but I have access to the entire arsenal of the United States Marine Corps,
- (110) kos mė sím o haw-mik se then 2 COP death VOC waste-anus MOCK and I will use it to its full extent to wipe your miserable ass off the face of the continent, you little shit.
- (111) kama-'gi shehmi-'ju ba hejò-'ju ghu-'o effect-3.GEN word-2.GEN in head-2.GEN OPT-REGRET

 If only you could have known what unholy retribution your little "clever" comment was about to bring down upon you,
- (112) kos hrasha-'ju shùr then mouth-2.GEN COP tight maybe you would have held your fucking tongue.
- (113) yisa hrasha-'ju masa o eku-'so me mo kama but mouth-2.GEN COP hole REGRET here-time 2 with effect

 But you couldn't, you didn't, and now you're paying the price, you goddamn idiot.
- (114) kos mė is haw-mik-'sho se then 2 submerged.in waste-anus-1.GEN MOCK I will shit fury all over you and you will drown in it.
- (115) mė sím o ebe se 2 COP death VOC child MOCK You're fucking dead, kiddo.

Amo el canto del cenzontle May'gi sisote rė ahmā'ssho — nahe

May'gi sisote rė ahmà'ssho — nahe, Mejàk te hrasha sàr. Mawa'gi jàd rė gabė'ssho — nahe, Sabín'gi more rė summak'sho — nahe, Yisa siwar'sho: mėta rė hupa'ssho — nahe bag.

- (116) may-'gi sisote rė ahmà-'ssho nahe música-3.GEN cenzontle frente.de orella-1.GEN COP bello $Amo\ el\ canto\ del\ cenzontle,$
- (117) mejāk te hrasha sār pājaro de boca numerables pājaro de cuatro cientas voces.
- (118) mawa-'gi jàd rè gabè-'ssho nahe color-3.GEN jade frente.de ojo-1.GEN COP bello Amo el color del jade,
- (119) sabín-'gi more rè summak-'sho nahe aroma-3.GEN flor frente.de nariz-1.GEN COP bello y el enervante perfume de las flores.
- (120) yisa siwar-'sho mėta rė hupa-'ssho nahe bag pero hermano-1.GEN hombre frente.de mente-1.GEN COP bello más Pero más que eso, amo a mi hermano, el hombre.

I'll fly away Kos, wah ba berrasohmė hė

Hmakėssi mo maka, soʻgi simma'gi soro Kos, wah ba berrasohmė hė Sho ekar sapa'gi Mahot Kos, wah ba berrasohmė hė Berrasohmė, o, mahi, berrasohmė Soʻgi simma'ssho, haleluya Kos, wah ba berrasohmė hė Soʻgi sama huʻgi gahmu ik eku Kos, wah ba berrasohmė hė Kassi te mejak ik harabbe Kos, wah ba berrasohmė hė Mapu — tippe otisot hro Kos, wah ba berrasohmė hė Kos, wah ba berrasohmė hė Kos, wah ba berrasohmė hė Kos, wah ba berrasohmė hė

- (121) hmak-ėssi mo maka so-'gi simma-'gi soro hour-early with light time-3.GEN end-3.GEN road Some bright morning when this life is over
- (122) kos wah ba berrå-sohmė h-ė then 1 in hat-big DEM.1-FAR I'll fly away
- (123) sho ekar sapa-'gi mahot towards house ethereal-3.GEN god ${\it To~a~home~on~God's~celestial~shore^{14} }$
- (124) kos wah ba berrā-sohmė h-ė then 1 in hat-big DEM.1-FAR $I'll\ fly\ away$
- (125) berrå-sohmė o mahi berrå-sohmė hat-big VOC glory hat-big I'll fly away, oh glory, I'll fly away
- $\begin{array}{cccc} (126) & \text{so-'gi} & \text{simma-'ssho haleluya} \\ & \text{time-3.GEN end-1.GEN} & \text{hallelujah} \\ & When \ I \ die, \ Hallelujah, \ bye \ and \ bye \end{array}$
- (127) kos wah ba berrā-sohmė h-ė then 1 in hat-big DEM.1-FAR I'll fly away
- (128) so-'gi sama h-ù-'gi gahmu ík eku time-3.GEN DEM.1-CLOSE-3.GEN shadow away.from here

 When the shadows of this life have gone
- (129) kos wah ba berrå-sohmė h-ė then 1 in hat-big DEM.1-FAR I'll fly away
- (130) kassi te mejäk ik har-abbe imitation of bird away.from barrier-prison

 Like a bird from the prison bars has flown
- (131) kos wah ba berrå-sohmė h-ė then 1 in hat-big DEM.1-FAR I'll fly away

 $^{^{14}}$ The person being discussed, wah, has already been established in the discourse, and need not be repeated, although it could be.

- (132) mapu tippe ot-isot hro leftover COP day one-two LE

 Just a few more weary days and then
- (133) kos wah ba berrā-sohmė h-ė then 1 in hat-big DEM.1-FAR $I'll \; fly \; away$
- (135) kos wah ba berrà-sohmė h-ė then 1 in hat-big DEM.1-FAR $I'll\ fly\ away$

I have no mouth and I must scream Wah sam hrasha bahe, jodar — mis'sho

Meha'gi Görister khảl kawas gish — yashėn. Ba samahmurekar, kub wahwah, mô tuba bahe yisa hnùr. Kos, bògi míso bè ahmà kos sager'gi — oshek. Oshek bahe khảl peg gareg. Kos, Görister mô wahwah kos meha'gi — mekar ba hejò'ssho. Garís'sho te hamme mahwe mahwe yàk peg. Shehmi'gi Görister, "O, Mahot!" Gi mat suhaw wudu rè gabè'gi, gi — ahàl. Kos, saw'gi Elen ba uppaj'gi. Shehmi'gi Görister, "wahwah — sím ghu, so kapo ba rihan'sho o!" Dehni hù — wahwah ba samahmur dehni 109jh'sho; shehmi'gi — maggen'sho wahwah hmíkku.

Zaghė'gi Nimdok eso AM mỏ rajė jodar muhė, maggen'gi — síh ba goras te ba nokhay gabhnūr. Wah mỏ Gʻorister te mỏ sughė bahe. Shehmi'ssho, "Mekar hep, mekar mat erepanta hnūr hnūr yak kos Beni — muhė. Kos, wahwah ba hūmma, kos, gi — zukkỏ bahe. Hnagå bahe ghu. AM mỏ maggen bahe, yak wahwah — sím." Beni — rūka. Wahwah mỏ tippe ekki mỏ síh bahe, síh'sho gereg — gusano shūr.

Nimdok mat wahwah te moʻ sughė bahe, nehha'gi — mitta guha, yisa humma mat dísh te ekegh yarí te — mitta bahe. Hnur bak, tummis'gi te maj a? Hnur, hisa, moʻ gape bahe. Kos, samahmur sam mekar, kos, wah hnur kap wah — sím. Shehmi'gi Elen, "Síh — mus'sho, hisa ghu ghu." Kos, wah moʻ saba bahe, daroʻssho moʻ gape guha. Elen — ėsa eso wah. Gega 2 gi moʻ wah yisa sítu'ssho ba humma, gi moʻ wah hep te moʻ gape bahe. Gega hmíkku wahwah reʻ gabeʻgi AM. AM sam rihan bahe, gi — huppis nugan'sho.

Tippe te hnagà'ssho — tippe meh'juh. So hmíkku, so ba hejö'gi AM. Elen — yarí eso Nimdok mö Görister. Wah rė gigi, gigi rė Beni; así yak Elen — zukkö. Sepam'gi wahwah mö nokhay gabhnuur — mirre sör hro. Tippe 2^{jh} , wahwah sam síh eso AM, marūk'gi síh — hawsig benso hisahisa. Kos, gi ba hrasha'ssho. Tippe 3^{jh} , wah ba ėmguhahu, ekos samahmur te zukkö bahe ba ėmguhahu. Ekegh'gi AM sho makke — ekegh'gi sho wah.

Kos, makā rē gabė'ssho, kos, kawas yarí hū ba hejō'ssho. Wahwah mō hisa bahe. Hūmma, bahe. Wah ígh mō AM hro. Shehmi'gi Elen, "o Beni, hisa bahe ghu nu." Shehmi guha'gi Beni sho bahe. Wahwah ígh, hir massi'gi Beni yarí, eso kos, hupa'gi ík hejō'gi. AM ba hejō'ssho — ekegh ekegh, yisa so hmíkku, AM hū. Kos, Beni sèm har, sho berråsohmė. Ge mat khag eso AM.

- (136) meha-'gi görister khål kawas gish yashën body-3.GEN Gorrister on.top platform pink COP limp Gorrister's body hung limp from the pink palette.
- (137) ba sama-hmur-ekar kub wah-wah mo tuba bahe yisa hnur in life-new-room above 1-REDUP with shiver none although cold He was above us in the computer room, not shivering despite the cold.
- (138) hejò-'gi meha ab meha kin sepe-'gi khal kawas head-3.GEN body faced.away body foot right-3.GEN on.top platform

 His head was faced down, with his right foot just touching the palette.
- (139) kos bögi míso bè ahmà kos sager-'gi oshek then incision precise through ear then internal.blood-3.GEN COP external.blood

 His blood had been drained from a precise incision through his ear.
- (140) oshek bahe khål peg gareg external.blood none on.top floor metal

 There was no blood on the metallic floor.
- (141) kos görister mö wah-wah kos meha-'gi mekar ba hejö-'ssho then Gorrister with 1-REDUP then body-3.GEN COP trick in head-1.GEN Gorrister joined us, and we realized his body had been a trick.
- (142) garís-'sho te hamme mahwe mahwe yak peg vomit-1.GEN of reflex old old spread.across floor Our vomit of ancient reflex covered the floor.

- (143) shehmi-'gi gorister o mahot word-3.GEN Gorrister VOC god Gorrister said, "Oh, God."
- (144) gi mat suhaw wudu re gabe-'gi gi ahal 3 like artifact voodoo in.front eye-3.GEN 3 COP afraid He looked as if he was looking at a voodoo idol, very afraid.
- (145) kos saw-'gi elen ba uppaj-'gi then hand-3.GEN Ellen in hair-3.GEN Ellen ran her hand through his hair.
- (146) shehmi-'gi görister wah-wah sím ghu word-3.GEN Gorrister 1-REDUP COP dead OPT Gorrister said, "please kill us,
- (147) so kapo ba rihan-'sho o time little in soul-1.GEN REGRET such little time is left in my soul!"
- (148) dehni h- \dot{u} wah-wah ba sama-hmur dehni ot sor ut juh-'sho day CLOSE-1 COP 1-REDUP in life-new day one 10^2 9 ORD-1.GEN This year is our 109^{th} year in the computer.
- (149) shehmi-'gi maggen-'sho wah-wah hmíkku word-3.GEN COP thought-1.GEN 1-REDUP every His words were all of our thoughts.
- (150) zaghė-'gi nimdok eso am mo rajė jodar muhė name-3.GEN Nimdok because AM with love sound strange Nimdok was called Nimdok because AM loved strange sounds.
- (151) maggen-'gi síh ba goras te ba nokhay gab-hnùr idea-3.GEN COP food in can of in cave rock-cold He thought there was canned food in the ice caverns.
- (152) wah mo gorister te mo sughe bahe 1 with Gorrister of with certainty none Gorrister and I had no certainty.
- (153) shehmi-'ssho mekar hep word-1.GEN trick other I said, "It's another trick."
- (154) mekar mat erepanta hnùr hnùr yak kos beni muhė trick as elephant cold cold so then Benny COP crazy

 It is a trick, just like the frozen elephant that made Benny crazy.
- (155) kos wah-wah ba humma kos gi zukko bahe then 1-REDUP in there then 3 cos fresh none We will arrive there and it will be rotten.
- $\begin{array}{ccc} \text{(156)} & \text{hnag} \dot{\text{a}} & \text{bahe ghu} \\ & \text{movement none OPT} \\ & \textit{We should not go.} \end{array}$
- (157) am mo maggen bahe yak wah-wah sím
 AM with idea none then 1-REDUP COP dead

 If AM does not come up with any ideas, we will be dead soon.
- (158) beni rüka Benny COP indifferent Benny was indifferent.
- (159) wah-wah mo tippe ekki mo sih bahe 1-REDUP with day three with food none We had gone three days with no food.

- (160) síh-'sho gereg gusano shùr food-1.GEN recent COP worm dense Our most recent meal was thick worms.
- (161) nimdok mat wah-wah te mo sughe bahe Nimdok as 1-REDUP of with certainty none Nimdok was as uncertain as we.
- (162) nehha-'gi mitta guha knowledge-3.GEN COP probability low He knew the probability is low.
- (163) yisa humma mat dísh te ekegh yarí te mitta bahe but there as here of bad most of COP probability none But the probability it is worse than here is none.
- (164) hnur bak tummis-'gi te maj a cold Y/N preference-3.GEN of person INQ Who cares if it is cold?
- (165) hnur hisa mo gape bahe cold hot with importance none

 It doesn't matter if it's cold or hot.
- (166) kos sama-hmur sam mekar kos wah hnur kap wah sím then life-new INSTR trick then 1 inactive otherwise 1 COP dead We had to put up with the computer's tricks or we would die.
- (167) shehmi-'gi elen síh mus-'sho hisa ghu ghu word-3.GEN Ellen food COP obligation-1.GEN heat OPT OPT Ellen said, "We must eat. Please, let's do it."
- (168) kos wah mo saba bahe then 1 with fight none I didn't put up a fight.
- (169) daro-'ssho mo gape guha place-1.GEN with importance none It didn't matter where we were anyway.
- (170) elen ėsa eso wah Ellen COP happy because 1 I made Ellen happy.
- (171) gega isot gi mo wah yisa situ-'ssho ba humma time two 3 with 1 but turn-1.GEN in there

 She was with me twice even though it wasn't my turn.
- (173) gega hmíkku wah-wah rė gabė-'gi am time every 1-REDUP in.front eye-3.GEN AM Every time, AM watched us.
- (174) am sam rihan bahe AM INSTR soul none AM didn't have a soul.
- (175) gi huppis nugàn-'sho 3 COP parent deranged-1.GEN He was our deranged parent.
- (176) tippe te hnagå-'ssho tippe meh-'juh day of movement-1.GEN COP day 4-ORD We left on a Thursday.

- (177) so hmíkku so ba hejö-'gi am time every time in brain-3.GEN AM AM always knew the time.
- (178) elen yarí eso nimdok mö görister Ellen COP high because Nimdok with Gorrister Ellen was carried by Nimdok and Gorrister.
- (179) wah rè gi-gi gi-gi rè beni 1 in.front 3-REDUP 3-REDUP in.front Benny I walked in front of them, and Benny behind.
- (180) así yak elen zukkö that.way so.that Ellen COP safe We did it this way so that Ellen would remain safe.
- (181) sepam-'gi wah-wah mo nokhay gab-hnur mirre sor hro distance-3.GEN 1-REDUP with cave rock-cold COP mile 10^2 BE We were only 100 miles to the ice caverns.
- (182) tippe isot juh wah-wah sam sih eso am day two ORD 1-REDUP INSTR food because AM

 On the second day, AM sent food.
- (183) maruk-'gi síh haw-sig benso hisa-hisa sense-3.GEN food COP waste-water pig hot-hot It tasted like boiled boar urine.
- (184) kos gi ba hrasha-'ssho then 3 in mouth-1.GEN We ate it anyway.
- (185) tippe ekki juh kos wah ba èm-guha-hu day three ORD then 1 in flat-low-land On the third day, we entered a valley.
- (186) ekos sama-hmur te zukko bahe ba em-guha-hu part life-new of fresh none in flat-low-land

 In that valley, there were rusting computer parts.
- (187) ekegh-'gi am sho makke ekegh-'gi sho wah cruelty-3.GEN AM towards REFL COP cruelty-3.GEN towards 1

 AM's cruelty to himself was just as great as his cruelty towards us.
- (188) kos makā rē gabē-'ssho kos kawas yarí h-ū ba hejó-'ssho then light in.front eye-1.GEN then platform high 1-CLOSE in head-1.GEN We saw light, and realized we were near the surface.
- (189) wah-wah mo hisa bahe 1-redup with heat none $We\ didn't\ move\ up.$
- (190) humma bahe there nothing There was nothing there.
- (191) wah ígh mỏ am hro 1 5 with AM LE There was only us 5, and AM.
- (192) shehmi-'gi elen o beni hisa bahe ghu nu word-3.GEN Ellen VOC Benny heat none OPT POL Ellen said, "Benny, please don't do it."
- (193) shehmi guha-'gi beni sho bahe word low-3.GEN Benny towards none

 Benny was murmuring under his breath.

- (194) wah-wah ígh hir massi-'gi beni yarí 1-REDUP 5 perhaps luck-3.GEN Benny high Of the five of us, perhaps Benny was the luckiest.
- (196) am ba hejò-'ssho ekegh ekegh AM in head-1.GEN COP bad bad $We\ hated\ AM.$
- $\begin{array}{cccc} (197) & {\rm yisa~so} & {\rm hm\acute{i}kku~am~h-\dot{u}} \\ & {\rm but~time~every} & {\rm AM~1\text{-}CLOSE} \\ & But~we~could~never~escape~him.} \end{array}$
- (198) kos beni sėm har sho berrā-sohmė then Benny beside wall towards hat-big Benny started climbing up the wall.
- $\begin{array}{cccc} (199) & \text{ge mat khag} & \text{eso} & \text{am} \\ & 3 & \text{like monkey because AM} \\ & & He\ looked\ like\ the\ chimpanzee\ AM\ turned\ him\ into. \end{array}$