LANGTIME CHAT

5000E 34

I E Z H WA

PAPER GIRLS

THE COMIC BOOKS



Created by Brian K. Vaughan & Cliff Chiang



Published 30 issues

THE COMIC BOOKS



Four newspaper-delivering teenage girls

THE COMIC BOOKS



Four newspaper-delivering teenage girls



Oh, and time travelers









It was an intentional use of a cipher.



They wanted readers to be able to break it and read the dialogue.

AMAZONS

PAPER GIRLS

AGGAGE

THE LANGUAGE



Time traveling speakers

HELANGUAGE



Time traveling speakers



Spirit of original cipher in novels

OURWISION



Worldwide creole of sorts



Worldwide creole of sorts



Unique phonological and grammatical systems as base of the conlang

BORROWINGS



From any language at any time in history

BORROMINGS



From any language at any time in history



Filtered through the conlang's phonological system

BORROMINGS



From any language at any time in history



Filtered through the conlang's phonological system



Semantically "coded"

	Labial	Dent.	Alv.	Pal.	Velar	Glot.
Stops			t/C			
Fric.			S/Z	5		
App.						
Nasa						

Central Back Front High Mid

KEZHMASTRESS



Basic: penultimate syllable



Borrowed words may differ

SHONA

"to follow"

GENZHIN

"to track"

KEZHWA STRESS



Stays on root when suffixes added

KEZHWA STRESS



Stays on root when suffixes added



Cannot fall beyond antepenultimate syllable

"to help"



"help"

"to know"

AKWADEGA "knowledge"

KEZHWA SYLLABLES





C2 in clusters restricted to approximants



How would non-native speakers hear this word?



How would non-native speakers hear this word?



How does that perceived unit shift to fit Kezhwa phonology?

SEMANTICS 50RROWINGS



English it's all good

Itsalgool



English it's all good

Itsa god



English it's all good

[ISagool]



English it's all good

[ISagool]



English it's all good

Sagool



English it's all good



English it's all good



Kezhwa saga [saga]

unstressed vowels are often schwas in Kezhwa



English it's all good



Kezhwa saga [saga] "it's okay, it's alright"

semantic gist retained



English duct tape

[daktep ~ da?tep]



English duct tape



Kezhwa datep [datep]

Any schwa-like sound is [a] in a stressed syllable.



English duct tape



Kezhwa datep [datep]

[e > \varepsilon \in \closed \syllable



English duct tape



Kezhwa datep [datεp] "to repair, to fix, to patch up, to heal, to ameliorate"

"Duct tape can fix anything."



English duct tape



Kezhwa datep [datεp] "to repair, to fix, to patch up, to heal, to ameliorate"



Swahili duma "cheetah"



* Kezhwa duma [dumə]

If you move like a cheetah, you're hustling!



Swahili duma "cheetah"



* Kezhwa duma [duma] "to hurry, to hustle"



Finnish tikka "dart"



Kezhwa tika [tika]



Finnish tikka "dart"



Kezhwa tika [tika] "to try"

Trying something is like throwing a dart at a dartboard.

cenzhin



Mandarin gen "to follow"



Czech stín "shadow"



Kezhwa genzhín [genzin]

cenzhin



Mandarin gen "to follow"



Czech stín "shadow"



Kezhwa genzhin [genzin]

only allowed clusters with approximants

cenzhin



Mandarin gen "to follow"



Czech stín "shadow"



Kezhwa genzhin [genzin]

[n] caused voicing of following [f]

cenzaín



Mandarin gen "to follow"



Czech stín "shadow"



Kezhwa genzhín [gεnzin] "to track"

EZHU/A CAMMAR

KEZHWA GRAMMAR



SVO



Prepositions



AiN



N RelCI

KEZHWA NOUNS

	C-Initial		V-In	itial	I-Initial		
	Singular	Plural	Singular	Plural	Singular	Plural	
Definite	tamagó		ala	~1~	iga		
Indefinite	i-damagó	an damagó	y-ala	an ala	zh-iga	an iga	

kid

walkie talkie

target

KEZHWA NOUNS

Demonstratives	C-Final	V-Final
Proximal	yambwa <mark>zagí</mark>	alagí
Distal	yambwa <mark>zayá</mark>	ala <mark>yá</mark>

foot

walkie talkie

X7 T:4:-1	Diain	Dunnant	resent Present	Impe	rative	
V-Initial	Plain	Present		Singular	Plural	
Positive	akwat	imakwat	lakwat	akwa <mark>d-a</mark>	akwat- <mark>u</mark>	
Negative	' akwat	i'akwat	la'akwat	'akwa <mark>d-a</mark>	'akwat-u	

X7 T:4:-1	TD1 _ :		Non-	Imperative		
V-Initial	Plain	Present	Present	Singular	Plural	
Positive	akwat	imakwat	lakwat	akwa <mark>d-a</mark>	akwat- <mark>u</mark>	
Negative	'akwat	i'akwat	la'akwat	'akwa <mark>d-a</mark>	'akwat-u	

V-Initial	Plain	Present	Non-	Impe	rative
v-IIIItiai	1 Idill	Fresem	Tresent	Singular	Plural
Positive	akwat	imakwat	lakwat	akwa <mark>d-a</mark>	akwat-u
Negative	' akwat	i'akwuı	in икwat	'akwa <mark>d-a</mark>	'akwat-u

*ima 'now'
*/a 'then'

C-Initial	Plain	Drocont	Non-	Imperative	
C-Initiai	Flain	Present	Tresent	Singular	Plural
Positive	kewi	igewi	lagewi	kewi-na	kewi-zu
Negative	'agewi	i'agewi	in ugewi	'agewi-na	'agewi-zu

*ima 'now'
*/la 'then'

to help

₹7 T:4:-1	Diata	Dunnant	Non-	Imperative	
V-Initial	Plain	Present	Present	Singular	Plural
Positive	akwat	illukwai	lakwat	akwa <mark>d-a</mark>	akwat- <mark>u</mark>
Negative	ʻakwat	i'akwat	la'akwat	'akwa <mark>d-a</mark>	'akwat-u

nt Singular Plural
kewi-na kewi-zu
i 'agewi-na 'agewi-zu

to help

KEZHWAWERBS

inená 'to breathe'

i'inená 'don't breathe'

KEZHWAWERBS

inená 'to breathe'



i'inená 'don't breathe'

inená 'to breathe'

e'inená 'don't breathe'

inená 'to breathe'



e'inená 'don't breathe'

X7 T:4:-1	Dising Non-		Non-		Impe	rative
V-Initial	Plain	Present	Presen		Singular	Plural
Positive	akwat	imakwat	lakwat		akwa <mark>d-a</mark>	akwat-u
Negative	'akwat	i'akwat	la'akwat		'akwa <mark>d-a</mark>	'akwat-u

na 'you (sg)'
su 'you (pl)'

C Initial	Dlain	Non-	Die: Drocont	Non-		Non-		Impe	rative
C-Initial	Plain	Present	Presen		Singular	Plural			
Positive	kewi	igewi	lagewi		kewi-na	kewi-zu			
Negative	'agewi	i'agewi	la'agewi		'agewi-na	'agewi-zu			

na 'you (sg)'
su 'you (pl)'

to help

EZHWA

SENTENCES



Era idanagí.



"They are coming."



Era idanagí.



"They are coming."



Era idanagí.



"They are coming."



Era idanagí.



"They are coming."

Swahili tanga 'to wander' Spanish aqui



S Ozu lamaba Gami si memesis.





S Ozu lamaba Gami si memesis.





Sa Ozu lamaba Gami si memesis.





S Ozu lamaba Gami si memesis. Spanish mapa





Ozu lamaba Gami si memesis.





S Ozu lamaba Gami si memesis. Japanese origami





S Ozu lamaba Gami si memesis.





S Ozu lamaba Gami si memesis.



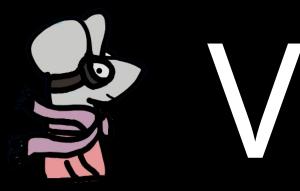


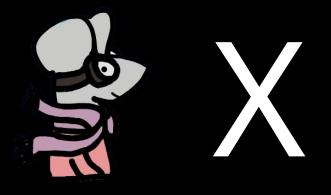
Convert to Roman numerals



Convert Roman numerals to Sounds

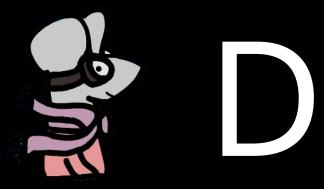








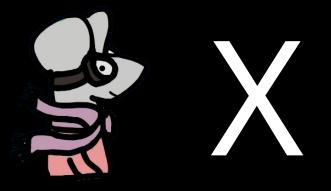




















KEZHMADATES















KEZHMADATES



Epenthetic [e] breaks clusters



Epenthetic [?] breaks [ii] segments





[s] voices when preceding [v]



2019 >> MMXIX



2019 >> MMXIX



SIS

KEZHMADATES



2019 >> MMXIX



Si MeMeSIS



2019 >> MMXIX



Si MeMeSIS



s memesis



1988 >> MCMLXXXVIII



\$\\ 1988 >> MCMLXXXVIII



S MKMLSeSVIII



\$\\ 1988 >> MCMLXXXVIII



MeKMeLSeSeSVIII



\$\\ 1988 >> MCMLXXXVIII



MeKMeLSeSeSVIzhI



\$\\ 1988 >> MCMLXXXVIII



MeKMeLSeSezVIzhI



\$\frac{1988}{} \tag{NCMLXXXVIII}



MeKMeLSeSezVIzhI



* mekmelsesezvizhi

EZHWA... A

TON OF FUN!

"THANK YOU"