Phonology, day 2

- ajm ən ajs skalptər. læst najt aj mejd ə k^hjuwb.
- aj wod imædzən if juw kod Andərstænd mors k^howd, ə t^hæp dænsər wod drajv juw k^hrejzij.
- ajm əgenst pikərin, bər aj don now haw rə sow it.
- maj fejk plænts dajd bekez aj did nat pret^hend te worer ðem.
- wan tajm ə gaj hændəd mij ə pıktsər, hij sed "hirz ə pıktsər əv mij wen aj wəz jangər." evrij pıktsər əv juw ız wen juw wər jangər.
- aj lajk rajs. rajs ız grejt ıf juw wanə ijt² thuw θawzənd əv sʌmθɪŋ.
- aj gar ə k^hıŋ sajz bɛd. aj don² now ɛnij k^hıŋz, bʌr ɪf wʌn k^hejm owvər, aj gɛs hij wod bij k^hʌmftərbəl.

--mits hedborg

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Here's a warmup: what's going on in these words?

ineffable impossible incredible

Navajo¹

∫a:ʒ	'knot'	?azit	'liver'
sik'az	'cold (object)'	k ^h élã:t	'tips of toes'
tápã:x	'shore'	pá:x	'bread'
t ^h áláγo∫	'soap'	pé:∫	'flint, metal'
?i:kex	'wedding'	tſátí	'antelope'
níγiz	'round and slender'	?a3i?	'torso'
kax	'rabbit'	xato	'heat'
k'at	'now'	γótax	'up above'
tse:lit	'soot'	tʃe:ʃó:	'turkey buzzard'
?ats'o:s	'blood vessel'	lók'a:?	'reed'
t'átl'it	'water moss'	łá:ł	'to raise hell'
t'÷i:ł	'to act, do'	tł'iſ	'to soak, dampen'

¹ list courtesy of Adam Albright

Where do we find ejectives?

We find something similar in ASL...

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- you can get it on signs where the hands stay still (like UNDERSTAND)
- or during movement, in signs where the hands move (like OLD)
- ...but again, no signs where you move and then change shape, or change shape and then move.

So finger-wiggling and handshape change are sort of like Navajo ejectives, or Polish/German/Turkish voiced stops; they have them, but there are restrictions on where they can be in the word.

The Yawelmani motto:

"don't tolerate three consonants in a row"

Future

xat-en 'eat'

mut-en 'swear'

gij'-en 'touch'

?ilk-en 'sing'

logw-en 'pulverize'

pa?t-en 'fight'

<u>Future</u>	Gerund	
xat-en	xat-taw	'eat'
mut-en	mut-taw	'swear'
gij'-en	gij'-taw	'touch'

?ilk-en'sing'logw-en'pulverize'pa?t-en'fight'

<u>Future</u>	<u>Gerund</u>	
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logw-en	log <u>i</u> w-taw	'pulverize'
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pa?t-en	pa?it-taw	'fight'

"insert **i** between the first two consonants of a three-consonant cluster"

Desiderative

hud-hatin 'want to know'

li?-hatin 'want to sink'

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hud-hatin 'want to know'

li?-hatin 'want to sink'

linc'-atin 'want to speak'

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"drop h if it's the third of three consonants"

"Passive"

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```

→ don't tolerate three-consonant clusters!

and avoid them by:

- dropping **h** (if possible)
- inserting i (if necessary)

English /t/

sit sitter heat heater at attic

/t/ becomes [r] (in American English)

```
sit [sɪt]
sitter [sɪrər]
heat [hit]
heater [hirər]
at [æt]
attic [ærɪk]
```

t becomes a flap between vowels?

but what about...

```
atone [əthon]
attack [əthæk]
detect [dɪthɛkt]
```

sit [sit] sitter [sirər] heat [hit] heater [hirər] at [at][ærik] attic [əthon] atone [əthæk] attack detect [dithekt]

```
sit
           [sít]
           [sírər]
sitter
heat
           [hít]
heater
           [hírər]
           [æt]
at
          [ærik]
attic
atone [əthón]
attack [əthék]
detect
           [dithékt]
```

t becomes a flap between vowels, when the first vowel is stressed.

What we're seeing is that the distribution of aspirated, flapped, and unaspirated [t] is *predictable*.

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Compare:

```
"electric" --> [əlɛktrı<u>k</u>]
--> [əlɛktrı<u>s</u>] + -ity
```

so sometimes we will have to state special rules for special affixes.

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