How to put together a Navajo word: Young and Morgan's The Navajo Language

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Summary so far:

core verb consisting of two LEXEMES

contain all obligatory marking
is always rightmost two (or three) syllables in the complex

Stems are robust

Supported by phonetics, phonology, phonotactics

$$\sigma$$
 σ $\left[\begin{bmatrix} BASE \end{bmatrix}_X + \begin{bmatrix} BASE \end{bmatrix}_y \right]_{VC^{OMPLEX}}$ Mode.1s VL.STEM.IPV

sodi'niiszįįh I start saying a prayer

sodiszin I say a prayer, pray

sohodizin it's a prayer, say a prayer

sodiďi'néeszįįł I will start a prayer

sodizin bá hooghan church

hadanishkaad hadaashkaad I drive it down from a height I drop it down from a height

hadaashzhood hadaashtiish hadaashtieeh I slide down from a height

I fall down (AnO)

I lowered it, dropped it (mushy)

hadaashteeh hadááltí I unload it (AnO)

I unloaded it (AnO)

(Y&M:d377-381)

bik'eenééh it peels off bik'eesdzįįs I pull him off him bik'eessóós I peel it, stripped it off bik'eeshjooł I take it off him (non-compact) bik'i- ish I.jool

bik'idilkooh it's covered with a layer bik'i-di l.kooh

(handout Y&M:d202)

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'iisdziih I inhale
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'iisdzį̇̃is I tow it out of sight

'iigéés I screw it in

'iisgis I do the laundry

'iisxaas I scatter it (violently)

'a-is ø.ghaas

(bił) 'iisdis I wrap it up (in something)

'i-i-is ø.dis

(handout Y&M:d478)

Young and Morgan 1987 The Navajo Language: A Grammar and Colloquial Dictionary

Two parts

- Grammar (1 205)
- Appendices (206 437)
- **Dictionary** (1 1069)

Young and Morgan w Midgette, 1992 The Analytic Lexicon of Navajo

arranged by roots and 'themes'

Position class template for Navajo verb

Hoijer 1967; Young and Morgan 1987:g38)

	KEY ((from	left to	right):	
--	-------	-------	---------	---------	--

	The state of the s	_
0	Direct object of postposition.	
	Possessive prefix with nouns.	
Ia	Null postposition	
Ib	Adverbial – Thematic ('postpositional stems')	
Ic	(Reflexive)	Disjunct
Id	(Reversionary)	
Ie	(Semeliterative)	
II	(Iterative)	
III	(Distributive Plural)	

IV	Direct Object Pronouns	
V	Deictic Subject Pronouns]
VIa	Adverbial – Thematic]
VIb	Adverbial – Thematic	
VIc	Transitional / Semelfactive Aspect markers	Conjunct
VII	Modal - Aspectival Conjugation markers	
VIII	Subject Pronouns]
IX	'Classifier' Core (r	ninimal) verb

	X	Stem		Stem
--	---	------	--	------

Navajo

Core verb

• rightmost two syllables YM 1987:37-38

Disjunct	Conjunct		Stem
0 Ib Ia Ic Id II III	IV V VIa VIb VIc VII VIII	IX	X
	σ		σ

MODE inflected for Person and Number

VERB VL.STEM
'STEM SETS'
valence ('classifiers').stem shape

(afs)_{DIS}- (afs) - MODE

Stem sets VL.STEM

Disjunct	Conjunct	Stem
0 1b 1a 1c 1d 1e 2 3	4 5 6a 6b 6c 7.8	9.stem

Core (minimal) verb word

- smallest morphosyntactic unit
- 2 syllables

hánísh t'ááh há-nísh t.t'ááh af-TAM VERB

háníshť ááh

I'm flying in to pick something up

háníshť ááh

I'm flying in to pick something up

Dictionary entry from Y&M 1987:d415 for *háníshť ááh*

```
hanisht'aah(I), hanasht'ah(R), hanilt'a'(P), hadeesht'ah(F), haosht'aah(O)

(l), to fly it after it (a plane), (i.e. to arrive flying it for the purpose of getting it). Ha'at'iisha' chidi naat'a'i hainilt'a', what did you come after?/ Bil hanisht'aah, to take him after it by plane, to accompany him after it (with the subject of the verb as pilot).

Naat'aanii ba'alchini Hoozdodi bil hanisht'aah nt'ee k'asdaa' chidi naat'a'i la nihideezgoh, I took the superintendent to Phoenix after his family and another plane nearly ran into us./

(414) (*lt'aah: to cause to move flying.) (ha-.)
```

All dictionary entries have three parts principal entry is 1st Singular Subject.IPV (I)

All dictionary entries have three parts

- (21) hánísht'ááh(I), hánásht'ah(R), háníłt'a'(P), hádeesht'ah(F),
 háosht'ááh(O) (ł), to fly it after it (a plane), (i.e. to arrive flying it
 for the purpose of getting it).
- (22) Ha'át'íisha' chidí naat'a'í háínílt'a', what did you come after?

Bił hanisht'aah, to take him after it by plane, to accompany him after it (with the subject of the verb as pilot).

Naat'aanii ba'ałchini Hoozdodi bił hanisht'aah nt'ee k'asdaa' chidi naat'a'i ła nihideezgoh, I took the superintendent to Phoenix after his family and another plane nearly ran into us.

(23) (*tr'aah: to cause to move flying.) (ha-.)

MODES

hánísht'ááh(I), hánásht'ah(R), hánílt'a'(P), hádeesht'ah(F), háosht'ááh(O)(l), to fly it after it (a plane), (i.e. to arrive flying it for the purpose of getting it).

```
hánísh<u>t'ááh</u> (I) IPV imperfective
hánásh<u>t'ah</u> (R) REP repetitive
háníł<u>t'a'</u> (P) PFV perfective
hádeesh<u>t'ah</u> (F) FUT future
háosh<u>t'ááh</u> (O)OPT optative
```

ø, ł, l d 'classifier' (VL) valence marker ł.ťááh

I arrive flying it for the purpose of getting it. fly it to go after it (a plane)

Stem sets refer to the combination of the classifier (VL) and the different stem shapes that appear with that classifier

!.t'ááh

in each of the modes of the verb word

Second part of dictionary entry is the corpora

Ha'át'íisha' chidí naat'a'í <u>háínítt'a', what did you come</u>

after?

háíní t'a'

NPFV.2 VL.STEMSET

Bił háníshťááh, to take him after it by plane, to accompany him after it (with the subject of the verb as pilot).

Naat'áanii ba'áłchíní Hoozdodi bił <u>hánísht'ááh</u> ńt'éé k'asdáá' chídí naat'a'í łá nihídeezgoh, I took the superintendent to Phoenix after his family and another plane nearly ran into us.

Dictionary entry from Y&M 1987:d415 for *háníshť ááh*

```
hánísht'aáh(I), hánásht'ah(R), háníłt'a'(P), hádeesht'ah(F), háosht'aáh(O)
(l), to fly it after it (a plane), (i.e. to arrive flying it for the
purpose of getting it). Ha'at'iisha' chidi naat'a'i háinílt'a', what did
you come after?/ Bił hánísht'aáh, to take him after it by plane, to
accompany him after it (with the subject of the verb as pilot).
Naat'aánii ba'aíchíní Hoozdodi bił hánísht'aáh nt'ée k'asdaa' chidí
naat'a'í lá nihídeezgoh, I took the superintendent to Phoenix after his
family and another plane nearly ran into us./
(414) (*lt'aáh: to cause to move flying.) (há-.)
```

All dictionary entries have three parts principal entry is 1st Singular Subject.IPV (I)

Third part of dictionary entry: the VL ('cl') + stem shape unit left edge morphemes

(414) (*łt'ááh: to cause to move flying.) (há-.)

ł.t'ááhipv VL.stemipv

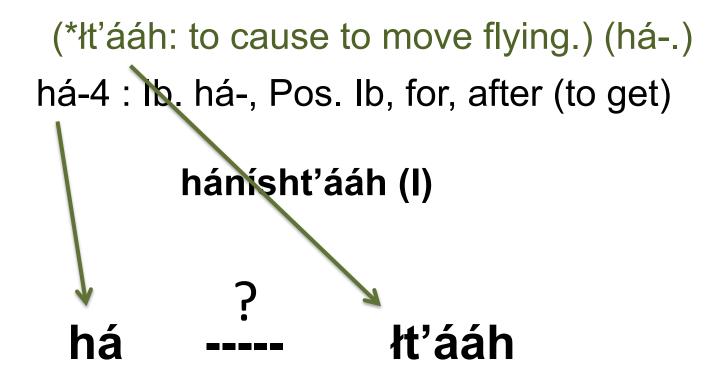
'Stem sets'

ROOT: T'ÁÁH 'FLY'

Y&M 1987:G344

in Appendix V: ROOT/STEM/THEME INDEX

Third part of dictionary entry



'go after'

'cause to move by flying'

háníshť ááh

há ---- lt'ááh

há<u>nísh</u>ťááh

há nísh lt'ááh

há<u>nísh</u>ťááh

há **nísh** t'ááh

I. IMPERFECTIVE					II PERF	ECTIVE
PERSON	Ø	NI-	SI-	YI-Ø	NI	
sgl.					Ø - Ł	D - L
	(1)	(2)	(3)	(4)	_	
1.	yish	(nish	shi	yiish	ní	nish
2.	ni	ni	si	sii	yíní	yíní
3.	уi	уі́	_	yii	уі́	уí
30.	уi	уі́	_	yiyii	yí	yí
3a.	ji	jí	_	jii	jí	jí
3i.	'a	′í	_	'ii	′ í	'is
3s.	ha	hố	_	hwo	hwo	hwo

háníshťááh

Y&M 1987: Appendix I Base and Model Paradigms

16 Inflectional Paradigms / Conjugations

	I.	Imperf	ECTIVE		II PER	FECTIVE
PERSON	Ø	NI-	SI-	YI-Ø	N	I
sgl.					Ø - Ł	D - L
	(1)	(2)	(3)	(4)	_	
1.	Ø-IPV.1	N-IPV.1	SIPV.1	Y-IPV.1	ni	nish
2.	Ø-IPV.2	N-IPV.2	SIPV.2	Y-IPV.2	yíní	yíní
3.	Ø-IPV.3	N-IPV.3	_	Y-IPV.3	yi	yí
30.	Ø-IPV.30	N-IPV.30	_	Y-IPV.30	yi	yí
3a.	Ø-IPV.3A	N-IPV.3A	_	Y-IPV.3A	jí	jí
3i.	Ø-IPV.3I	N-IPV.3I	_	Y-IPV.3I	′í	'is
3s.	Ø-IPV.3s	N-IPV.3s	_	Y-IPV.3s	hwo	hwo

há<u>nísh</u>ťááh

Y&M 1987: Appendix I Base and Model Paradigms

27

	I. IMPERFECTIVE					FECTIVE
PERSON	Ø	NI-	SI-	YI-Ø	N	I
sgl.					Ø - Ł	D - L
	(1)	(2)	(3)	(4)	_	
1.	yish	nish	shi	yiish	ní	nish
2.	ni	ní	si	sii	yíní	yíní
3.	уi	уі́	_	yii	yí	yi
30.	уi	уі́	_	yiyii	yí	уí
3a.	ji	jí	_	jii	jí	jí
3i.	'a	'í	_	'ii	′í	'is
3s.	ha	hố	_	hwo	hwo	hwo

From Y&M1987:d200

"The 16 Base and Extended Paradigms constitute the foundation upon which all verb bases are conjugated"

"The changes in prefix shapes [to these Base Paradigms] triggered by the Secondary Determinants [POSITIONS I — VI prefixes] are determined partly by their phonetic constituency and partly by their status as Disjunct or Conjunct elements."

From Y&M1987:d200

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"The changes in prefix shapes [to these Base Paradigms] triggered by the Secondary Determinants [POSITIONS I – VI prefixes] are determined partly by their phonetic constituency and partly by their status as Disjunct or Conjunct elements."

há prefix (Disjunct) affects changes in the shape of **Mode** paradigms

háníshťááh

- ¹ há- **nísh** ∤t'ááh
- ² há- **ní** łt'ááh
- ³ há- í lt'ááh
- 30 há- í lt'ááh
- ^{3a} há- jí łt'ááh

há prefix (Disjunct) affects changes in the shape of **Mode** paradigms

háníshťááh

1	há nísh	łt'ááh
2	há ní	łt'ááh
3	há	łt'ááh
30	há í	łt'ááh
3a	há jí	łt'ááh

I. IMPERFECTIVE					II PER	FECTIVE
PERSON	Ø	NI-	SI-	YI-Ø	N	II
sgl.					Ø - Ł	D - L
	(1)	(2)	(3)	(4)		
1.	yish	nish	shi	yiish	ní	nish
2.	ni	ní	sí	sii	yíní	yíní
3.	уi	уí	_	yii	yí	yi
30.	yi	уі́	_	yiyii	уí	yí
3a.	ji	jí	_	jii	jí	jí
3i.	'a	'í	_	'ii	'i	'is
3s.	ha	hố	_	hwo	hwo	hwo

NPFV n-Perfective

há<u>níł</u>ťááh PFV

```
há ní łt'ááh há íní łt'ááh há í łt'ááh há í łt'ááh há jí łt'ááh
```

Dictionary entry from Y&M 1987:d415 for háníshť ááh

```
hánisht'aáh(I), hánásht'ah(R), hániłt'a'(P), hádeesht'ah(F), háosht'aáh(O)
(ł), to fly it after it (a plane), (i.e. to arrive flying it for the purpose of getting it). Ha'át'iisha' chidi naat'a'i háinilt'a', what did you come after?/ Bił hánisht'aáh, to take him after it by plane, to accompany him after it (with the subject of the verb as pilot).

Naat'aánii ba'álchíní Hoozdodi bił hánisht'aáh nt'ée k'asdaá' chidi naat'a'i lá nihídeezgoh, I took the superintendent to Phoenix after his family and another plane nearly ran into us./

14) (*lt'aáh: to cause to move flying.) (há-.)
```

page 414

Pg 414 paradigm forms | há- + NI-conjugations (IPV, PFV)

,	
ha-	Ib

114 12			
PERSON	NI —	NI-PERFECTIVE	SI-PERFECTIVE
	IMPERFECTIVE	Ø - Ł	Ø-Ł
1	hanish	hani	hase
2	hání	háíní	hasíní
3	há	hání	haas
30	hái	háiní	hais
3a	hájí	házhní	hajis
3i	há'í	há'ní	ha'as
dual			
1	hánii	hánii	hasii
2	hánoh	hánoo	hasoo

Pg 414 paradigm forms | há- + NI-conjugations (IPV, PFV)

há- Ik			
PERSON	NI —	NI-PERFECTIVE	SI-PERFECTIVE
	IMPERFECTIVE	Ø-Ł	Ø-Ł
1	hamish	∤ltaah	hase
2	hani	haini	hasíní
3	al-WODE,	PVhanYERB	haas
30	hái	háiní	hais
3a	hájí _	házhní onstitutes In	hajis
3i	IMPODE = C	onstitutes in	Fh&Las
1	hánii	hánii	hasii
2	ʰ ṁá 'nish	thá áh	hasoo
	I'm flying ir	n to nick somet	hina un

I'm flying in to pick something up

há- Ib

PERSON	NI	-	NI-PERFECTIVE	SI-PERFECTIVE
	IMPERF	ECTIVE	Ø-Ł	Ø − Ł
1	hanish	lt'aah		_
2	hání	lt'aah		
3	há	lt'aah		
30	hái	łt'aah		
3a	hájí	łt'aah		
3i	ha'i	łt'aah		
1	hánii	lt'aah		
2	hánoh	łt'aah		

IPV requires the IPV stem set lt'ááh

Pg 414 paradigm forms | há- + NI-conjugations (IPV, PFV)

há- Ib			
PERSON	NI —	NI-PERFECTIVE	SI-PERFECTIVE
	IMPERFECTIVE	Ø-Ł	Ø-Ł
1	hanish _k	hani It'a	hase
2	hání	haini	hasíní
3	há	hání	haas
30	hái	háiní	hais
3a	hájí	házhní	hajis
3i	ha'i	há'ní	ha'as
1	hánii	hánii	hasii
2	hanoh ha	áhítht'á'	hasoo

I flew in to pick something up

Paradigm forms on page 414

há- Ib

PERSON	NI —	NI-PERFECTIVE		SI-PERFECTIVE
	IMPERFECTIVE	Ø-	Ł	Ø - Ł
1	hanish	hani	łt'a'	hase
2	hání	haini	łt'a'	hasíní
3	há	hani	łt'a'	haas
30	háí	haini	łt'a'	hais
3a	hájí	házhní	łt'a'	hajis
3i	ha'i	ha'ni	łt'a'	ha'as
1	hánii	hánii	łt'a'	hasii
2	hánoh	hánoo	lt'a'	hasoo

PFV's require the PFV stem set !t'a'

Paradigm forms on page 414

há- Ib

PERSON	NI —	NI-PERFECTIVE	SI-PERFECTIVE
ILKBON	IMPERFECTIVE	Ø-Ł	Ø-Ł
1	hanish	hani	hase lt'a'
2	hání	hái1ní	hasi̇́ní łt'a'
3	há	hání	haas lt'a'
30	háí	háiní	hais lt'a'
3a	hájí	házhní	hajis łt'a'
3i	ha'i	ha'ni	ha'as lt'a'
1	hánii	hánii	hasii łt'a'
2	hánoh	hanoo	hasoo lt'a'

PFV's require the PFV stem set lt'a'

Paradigm forms on page 414

há- Ib

PERSON	NI —	NI-PERFECTIVE	SI-PERFECTIVE
	IMPERFECTIVE	Ø-Ł	Ø-Ł
1	hanish	hani	hase lt'a'
2	hání	hailní	hasini łt'a'
3	há	hání	haas lt'a'
30	háí	háiní	hais lt'a'
3a	hájí	házhní	hajis 🏃t'a'
3i	ha'i	ha'ni	ha'as 1t'a'
1	hánii	hánii	hasii łt a'
2	hánoh	hánoo	hasoo lt'a

THIS VERB DOESN'T INFLECT IN THE S-PERFECTIVE (see dictionary entry)



hánísht'ááh(I), hánásht'ah(R), **hánítt'a'(P)**, hádeesht'ah(F), háosht'ááh(O) (t), to fly it after it (a plane), (i.e. to arrive flying it for the purpose of getting it).

hánít'a' (P)

THIS VERB INFLECTS IN THE N-PERFECTIVE

this information is in the dictionary entry for this word

What we need to know or What a fluent speaker knows

- Shape of the stem from that word's VERB
 STEM SET (VL.STEM) FOR EACH MODE
- Mode conjugations (inflectional classes) for that work
- The shapes of the prefix+Mode units in paradigms

The possible Mode + stem combinations

5/11/17 44

MODE UNITS DETERMINE THE INFLCL A WORD FORM IS ASSOCIATED TO

all the words belonging to an INFLCL conjugate in similar ways

& linked in dictionary to their paradigm patterns

hánishť ááh

hánish łt'ááh

há-nish ł.t'ááh

af-MODE VL.STEM_{VERB}

	verb word	VERB (VL stems)	hape)
1	hánisbáás	*ł.bą́ąs	I come for it in wheeled vehicle
2	hánishááh	*ø.ghááh	I walk, go after it
3	hánishkááh	*d.kááh	I walk, go, come after it (3+)
4	hánish'aash	*ø.'aash	I walk, go, come after it (2)
5	hánish'nééh	*d.nééh	I crawl after it
6	háshishzhee'	*l.zhee'	I hunt game animals

Dictionary entries

these forms belong to the same INFLCL

these forms belong to the same INFLCL

their stem sets differ

including their 'classifiers'

hánishť ááh

hánish łťááh

há-nish ł.t'ááh

af-TAM VL.STEM_{VERB}

verb word

- 1 hánisbáás
- ² hánishááh
- 3 hánishkááh
- 4 hánish'aash
- 5 hánish'nééh
- 6 háshishzhee'

VERB (VL stemshape)

- *ł.bą́ą́s
- *ø.ghááh
- *d.kááh
- *ø.'aash
- *d.nééh
- *l.zhee'

I come for it in wheeled vehicle

I walk, go after it

I walk, go, come after it (3⁺)

I walk, go, come after it (2)

I crawl after it

I hunt game animals

Dictionary entries

these forms belong to the same INFLCL

how the words are put together

in two parts

the Mode unit for that word form INCLUDING ANY PREFIXES IN ITS MEANING BASE

and the VERB — THE STEM SET FOR THAT WORD FORM

hold the **Mode** unit

vary the **VERB** unit

AF- MODE VERB

bits'a'nís łbąąs

drive away from it

VERB

bits'a'nísbąąs

drive away from it

VERB

bits'a'níshkǫ́ǫ́h

swim away from it

VERB

bits'a'nísh'eeł

sail away from it

VERB

bits'a'níshdlóósh

move away 'on all fours'





VERB

bits'a'-nísh łkooh swim away from it

bits'a'-nísh ø'eeł sail away from it

bits'a'-nísh Idlóósh move away 'on all fours'

bits'a'-nísh łbąąs drive away from it

STEM SETS DETERMINE

the 'content' meaning of verb a combination of the classifier + stem shape

all the words with this stem/root **DZIĮS** refer to action of 'pulling an object'

& linked in Appendix V to the stem sets (VL.STEM SHAPE) this root occurs in

hold the **VERB** unit

vary the (af) **MODE** unit

Verb : DZiįs 'pull'

af-Mode verb

iis ødziį́s pull or drag O out of sight

Verb : Dzíįs 'pull'

af-Mode

'iisdziįs pull or drag O out of sight

af-Mode

'adaas 'iisdziįį́s pull down from a height

af-Mode 'ałts'ásdziį̇́s pull apart

af-Mode

haasdziįs pull O out (like a splinter)

af-Mode

bíis 'iisdziįįs pull and add to a pile

Young and Morgan w/ Midgette 1992:174

af-Mode bikiisdziį̇́s cover O

Young and Morgan w/ Midgette 1992:174

af-Mode

'adah ch'ésdziįs drag O over the edge

Verb : DZiįs 'pull'

```
af-Mode
```

'iis ødzijs pull or drag O out of sight 'adaas 'iis ødzijs pull down from a height 'ałts'ás ødzijs pull apart bíis 'iis ødziįs pull and add to a pile bikiis ødzijs cover O 'adah ch'é ødzíjs drag O over the edge haas ødzijs pull O out (like a splinter)

what Y&M use instead of the template to form verbs

```
break verb into two parts:

Mode unit - including prefixes to the Mode
&
VERB (VL.STEMSHAPE) unit
```

each with its own paradigms and paradigm types

each with its own paradigms and paradigm types linked in the dictionary to their conjugational classes via Mode paradigms

and thus to related forms that conjugate the same way

thus these paradigms result in organization of forms that reside in very dense neighborhood of related forms

Stem sets

Y&M 1987:Appendix V

"...constitute a fundamental resource on which native speakers draw subconsciously to elicit the multiple stem shapes required by various modes and aspects in which a given verbal root is expressed." Y&M 1987:g302

"...constitute a fundamental resource on which native speakers draw subconsciously to elicit the multiple stem shapes required by various modes and aspects in which a given verbal root is expressed." Y&M 1987:g302

Stems conjugate in the same 5 modes of the full words

"...constitute a fundamental resource on which native speakers draw subconsciously to elicit the multiple stem shapes required by various modes and aspects in which a given verbal root is expressed."

Y&M 1987:g302

stems conjugate in the same 5 modes of the full words

imperfective (I) repetitive (R) perfective (P) future (F) optative (O)

IPV PFV FUT OPT

"...constitute a fundamental resource on which native speakers draw subconsciously to elicit the multiple stem shapes required by various modes and aspects in which a given verbal root is expressed."

Y&M 1987:g302

stems conjugate in the same 5 modes of the full words

imperfective (I) repetitive (R) perfective (P) future (F) optative (O)

IPV PFV FUT OPT

but 'stem sets' for any word require VL ('classifiers') affixes

STEMS SETS = VL.STEM SHAPE

ROOT: **TAAŁ** act w feet move quickly 6 stem sets

VL	IPV	REP	PFV	FUT	OPT	Asp
Ø	øtaał	øtal	øtááł	øtał	øtaał	MOM
Ø	øtał	øtal	øtał	øtał	øtał	SEM
Ø	øtał	øtal	øtááł	øtał	øtał	REP
ł	łtaał	łtal	łtááł	łtał	łtaał	MOM
d	dtaał	dtał	dtáál	dtał	dtał	REP
l	ltał	ltał	ltáál	ltał	ltaał	CON

shapes of stems: tał tááł taał taal tał

STEMS SETS = VL.STEM SHAPE

ROOT: TAAŁ act w feet move quickly 6 stem sets

ASP - of full word form

VL	IPFV	REP	PFV	FUT	OPT	Asp
Ø	øtaał	øtal	øtááł	øtał	øtaał	мом
Ø	øtał	øtal	øtał	øtał	øtał	SEM
Ø	øtał	øtal	øtááł	øtał	øtał	REP
ł	łtaał	łtal	łtááł	łtał	łtaał	MOM
d	dtaał	dtał	dtáál	dtał	dtał	REP
1	ltał	ltał	ltáál	ltał	ltaał	CON

word aspect

1b, d, e, 2, 3, 6a, b, c

Mode.Subj

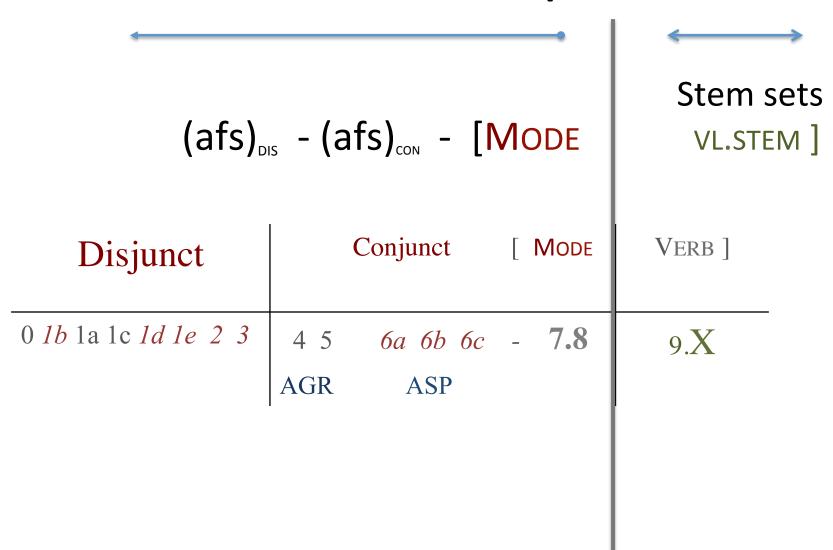
Subaspects Aspects Inceptive Momentaneous Inchoative Continuative Semeliterative Durative Repetitive Serative Conclusive Stative Semelfactive Completive Terminative Distributive Terminal Diversative Reversative Prolongative Reversionary Conative Transitional Cursive

Modes
Imperfective
Perfective
Usitative
Iterative
Progressive
Future
Optative

[Base

IPV REP PFV FUT OPT ?

Verbal complex



IPV REP PFV FUT OPT - STEMS

Mode conjugations Y&M:200ff 'BASE PARADIGMS'

```
PROG
                     FUT
IPV
     PFV
                             OPT
              (2)
     \emptyset - 1
Ø
     d - 1
                 16 conjugation patterns in MODE
  ø - ł
n
                    (2 PROG)
     d - l
   ø - ł
S
     d - l
     ø - ł
      d - 1
```

IPV REP PFV FUT OPT = STEMS

Mode conjugations - 12 conjugation patterns

```
IPV PFV
Ø Ø - ł 'in act of doing something' 64% IPV 32% PFV
d - l

n Ø - ł 'terminative' 18% IPV 21% PFV
d - l

s Ø - ł 'stative' 0.7% IPV 32% PFV
d - l

y Ø - ł 'transitional' 17% IPV
d - l
```

INFLECTIONAL PARADIGMS YM:1987:g200ff MODE.1S

	I.	II PERF	ECTIVE			
PERSON	Ø	NI-	SI-	YI-Ø	NI	
sgl.					Ø - Ł	D - L
	(1)	(2)	(3)	(4)		
1.	yish	nish	shi	yiish	ni	nish
2.	ni	ni	si	sii	yíní	yíní
3.	уi	уí	_	yii	уį́	уі́
30.	уi	уí	_	yiyii	уí	уí
3a.	ji	jí	_	jii	jí	jí
3i.	'a	'í	_	'ii	′í	'is
3s.	ha	ho	_	hwo	hwo	hwo

há-nísh lt'ááh

Y&M 1987: Appendix I Base and Model Paradigms

16 Inflectional Paradigms / Conjugations

1b, d, e, 2, 3, 6a, b, c

[Mode.Subj

Aspects	Subaspects
Momentaneous	Inceptive
Continuative	Inchoative
Durative	Semeliterative
Repetitive	Serative
Conclusive	Stative
Semelfactive	Completive
Distributive	Terminative
Diversative	Terminal
Reversative	Prolongative
Conative	Reversionary
Transitional	
Cursive	

IPV Imperfective
Perfective
Usitative
Usitative
Progressive
FUT Future
Optative
OPT

Both Usitative & Iterative use the same stem — REP PROG uses FUT stem

USITATIVE, ITERATIVE, PROGRESSIVE

From Y&M1987:d200

"The ø-Imperfective and the Usitative are distinguished by stem shape alone. The Iterative is derived by adding the Disjunct prefix ná-, POSITION II, to the Usitative"

The expression of ø-Imperfective - Usitative - Iterative realized at the word level as a relationship between Mode and Stem elements.

...it's a result of the interaction between a specific stem set and an inflected element from the ØIPV Base Paradigm

IPV & USITATIVE use different stems

IPV USIT STEM
IPV STEM REP STEM

yish dlá yish dlííh DLA - drink

s dah shish teeh dah shish tééh l.теен- set up AnO n baa nish teeh baa yish tééh l.теен – bring AnO

difference between Usitative and Imperfective is realized in the **stems** that the forms take

ITERATIVE - USITATIVE used same stem (REP) ITERATIVE requires ØIPV (and not NIPV) MODE

1b -ná Iterative	Disjunct prefix	outside the conjnct
	ITER náshdleeh ná- ish d.leeh	I (repeatedly) become
	baa náshgééh ná- ish d-hééh	I (repeatedly) haul it to him
yiníł'į yiní ł.'į́	néinil'įįh ná- yiní l.'įįh	he's looking at it (repeatedly)
ni-nish ø.tłáád	niish d.tłi' ninásh d.tłi'	I'm stopping, I usually stop I repeatedly stop

Using iterative (REP stem) to build meaning

1b -ná Iterative	d- (6) 'inceptive'	
IPV	Iter	
dishdziih	ńdishdzih	I'm (in act of taking a breath)
d-ish ø.dziih	ná- d-ish d.dzih	I'm breathing (repeatledly)
dishhááh	ńdishdááh	I starting to go
d-ish- ø.ááh	ná- d-ish d-ééh	I'm pacing back and forth
disyéés	ńdísyis	I'm in the act of dodging something
d-ish ø.yées	ná- d-ish ø.yis	I'm twitching or jerking around
ʻanishneeh	ná'anísh'nah	I'm choking
'a-nish ø.neeh	ná-'a-n-ish d.nah	I hiccupping

ná- disjunct outside the inner 'conjunct' complex-

ASPECT of the full word is a result of the compound (conjoining) of the two inflected **LEXEMES** of core verb includes (at least) prefixes from two other positions in word 1b na
[ná # di- [Mode Stem]_{core verb}]_{VComplex}

Stem shapes & conjugation patterns:

IPV REP PFV FUT OPT IPV USTI/ITER PFV FUT/PROG OPT

Role of word unit: Aspect (af) Mode + STEM SET

Imperfective Modes + VL.DLÁA ' 'drink'

Imperfective (Continuous)

Usitative (Momentaneous)

Terminative (Momentaneous)

yish *d.dlá_{PV}

yish øipv.1s *d.dlį̇́įh_{ιΡν}

ni- nish *ł.dl term-nipv.1s

*ł.dlį̇́į́h_Խ,

Role of whole word unit: Aspect (af) Mode + Stem Set

Imperfective Mode's + vl.dlaa, 'drink'

Imperfective Continuous Usitative Momentaneous

Terminative Momentaneous

yish øIPV.1s *d.dlá_{⊌∾}

yish øIPV.1s *d.dlį̇́įh_{IPV}

ni- nish *ł.dlįį̇́h_{ℙν} term-niPV.1s

Role of whole word unit: Aspect (af) MODE + STEM SET

Imperfective Mode's + VL.DLAA' 'drink'

Imperfective Continuous

Usitative Momentaneous **Terminative** Momentaneous

*d.dla yish ØIPV.1s

ØIPV.1s

yish *d.dlijh

term-nIPV.1s

*ł.dlijh ni-nish

Role of whole word unit: Aspect (af) Mode + Stem Set

Imperfective Mode's + VL.DLÁA' 'drink'

Imperfective Continuous		Usitative Momentaneous		Terminative Momentaneo	Terminative Momentaneous	
yishdlą́ co	N	yishdlįį́h	мом	ninishdlíį́įsh M	10M	
yish	d-dlą́	(y)ish	d-dlįį́h	ni-nish	ł-dlįį́h	
ØIPV.1SG	VL- IPV	ØIPV.1SG	VL-IPV	cess-nipv.1sg.	VL-IPV	
I drink it		I always drii	nk it	I finished drinking	it	

yish *d.dla(|PV |

yish øIPV.1s *d.dlį́į́h_ℙν

ni- nish ***ł.dlį́į́h**_ℙν
Term-NIPV.1s

The subaspect of a verb can be determined by the conjugation patterns of the Mode elements by differences in the STEM SET alone or by a combination of the above

understand the pattern of interdependencies of the elements in the verbal complex

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STEMS SETS = VL.STEM SHAPE

ROOT: YIH eat

VL	IPV	REP	PFV	FUT	OPT	Asp
Ø	øyįį́h	d.yįį́h	øyą́ą́'	øyįį́ł	øyą́ą́'	MOM/TRANSITIONAL
Ø	øyą́	d.į́į́h	øyą́ą́'	øyįį́ł	øyą́ą́'	DURATIVE
Ø	øyá	d.ííh	øyá	øyįį́ł	øyá	CONTINUATIVE

ASPECT:

Mom: eating

Transitional, mom/term: begin to eat, finished eating,

finish eating a meal,

Durative/Continuative: eat all over (like a termite), eating around (town)

Distributive: sample foods

STEM SETS = VERB BASES

TLÁÁD stop or halt 345

ASP	VL	IMP	REP	PRF	FUT	0
MOM	l	<u>tłáád</u>	<u>tłi'</u>	<u>tłah</u>	<u>tłił</u>	tłáád
MOM	ł	<u>tłáád</u>	<u>tłi'</u>	<u>tłah</u>	<u>tłił</u>	<u>tłáád</u>

TŁÍÍSH- to move independently through the air 346

MOM	Ø	<u>tłíísh</u>	tłish	tłizh	<u>tłish</u>	<u>tłíísh</u>
CON	Ø	<u>tłiish</u>	<u>tłish</u>	<u>tłizh</u>	<u>tłish</u>	<u>tłiish</u>
REP	ł	<u>tłish</u>	<u>tłish</u>	<u>tłish</u>	<u>tłish</u>	<u>tłish</u>

(no frequency values for these verbs from corpora)

All primary aspects work this way Root 'eat' YIH

various aspects are realized by relationships between the two elements in the CORE VERB and the prefixes in the positions in *conjunct* and *disjunct* domains.

The very rich aspectual system is pretty intuitive, but's its **paradigmatic** and build off of **combinations of existing elements.**

the template to construct well formed words

the elements and how they vary and interact

Dictionary entries

Fully inflected words associated to their INFLCL's w full paradigms

Word is compound of two distinct morphemes from two distinct paradigm types

- Mode inflectional paradigms (same page as entry)
- VERB VL.stemshapes stem sets

Both parts are inked to their paradigms in 2 Appendices (I, V)

Stem sets (Appendix V)
VL.STEMSHAPE

are fundamentally linked to the full word forms they appear in

Things to consider

- patterns of association between the elements
- the relationship of the stem shape to the aspect system
- the object and indirect object agreement markers
- the differences in role of disjunct vs conjunct morphs
- the rest of the complex....

nouns

naadą́ą't'áá dadootł'izhígíi 'green corn'

naadą́ą́ t'áá dadoo ł.tł'izh -ígíī corn 'just' 'they are green' -nom

Dene Speech Atlas

Seeds for the Future

Home

About DSA

Dene Language Groups

The Sound Inventory

Open Web Resources



DSA Visitor Tools

- Download Google Earth
- · Download DSA kmz layer file
- Visitor Survey

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Dene Speech Atlas

The **Dene Speech Atlas** (**DSA**) provides information about the sounds of the languages of the First Nations Dene in communities of the Mackenzie River Basin and in surrounding areas. There are at least five Dene language groups in this geographic area:

- Dene Syliné
- Dogrib
- North Slavey
- South Slavey
- TsuuT'ina

These Dene communities, represented in the DSA, are located in the Northwest Territories, Alberta, Saskatchewan, and Manitoba. A google earth interface has been developed in which communities are linked to information about the language group (see link in sidebar). The information on this site includes phoneme inventories of the consonant and vowel sounds of each language, in orthographies used in the specific community, and transcriptions into the IPA (international

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http://ling.rochester.edu/DeneSpeechAtlas

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