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Stem Extenders in Nootka-Nitinat

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#### Stem Extenders in Nootka-Nitinat

- l. In recent articles brief mention has been made of the fact that in the Nootkan languages stems often appear in two or three forms, with and without an extra consonant or two, or with differing final consonants. In the present paper these "stem extenders", as I propose to call them, are discussed in some detail. It is helpful to study Nootka and Nitinat together for a number of reasons, the chief of which are (1) the languages sometimes occur with differing stem extenders, partly, no doubt, because of accidental differences in the recording situation, and (2) the differing definitions in the two languages, again frequently dictated by chance, serve to reinforce or supplement our insights into meaning.
- 2.1. The most common type of stem extender in Nootka<sup>2</sup> is a single nonglottalized stop or spirant belonging to the dorsal class of either the nonlabialized (k, q, x, x, h) or labialized (k<sup>W</sup>, q<sup>W</sup>, x<sup>W</sup>, x<sup>W</sup>, h<sup>W</sup>) variety. Nitinat<sup>3</sup> is the same except that h and its morphophonemic counterpart h<sup>W</sup> are lacking. In rare instances other consonants are also found, among them most of the rest of the stops and spirants. The primary identification of these extenders depends on finding two or more stems with and without an extender, or with two or more

different extenders, whose meaning is at the same time sufficiently close to warrant the positing of such a relationship. The following examples have been selected to illustrate this. Some are taken from Nootka only, some from Nitinat only, and others from both.

# -k, $-k^W$

- N tu- small round things are strewn about; N tuk .- id.
- N ci-, -ya to cut; N cikW-, -a to clip off (hair, twigs, etc.)
- N Lič-, -a. to squeak, creak; Nt Ličk, -a. to creak.
- N Åač- to fold, double up; Nt Åač- to roll bed blankets;

  N Åačk-, -ak collapsed; very hungry, Nt Åačk-, -a · collapse

  (e.g. bladder).
- N Aic-Ais.-, -uk white; Aisk-, m. -Si(A) to flash white, -ak white spot.
- N, Nt hić-, -a. illuminate; N hičk-, -ak glowing with a bright glaring light.
- N wac- to move the head to one side; wack-, -ak twisted, bent to one side.
- N pak-, -a. flaming, lit up; pakk-, -a. to flare up, throw off sparks, glow; emery wheel.
- N ditkw-, dinkw-, -a to roll over, twist; Nt ditk-, -a to roll, -ak to twist.
- N tučk-, -ak protrusion, hill, Nt tučk-, -ak lump, pile, piled up; N tučk-, -ak lump.

- N pit. pinioned down, Nt pit-, m. -šik to fit, fit in, fit properly; N pitq-, -ak -a. jammed, packed tight; full.
- N mač- dirty; N mačq-, -ak id.
- N muc .- covered with fabric; mucq- id.
- N ni-, -a to sew; N niq-, -a id., Nt diq- id.
- N qatq -, -a to amputate, get amputated.
- N hupk-, -ak roundish thing, Nt hupk- id.; N hupq-, -ak lump, knot, Nt hupq-, -a to plug.
- N lu tq-, -ak in a confused bunch clump; N lu tx- id.

- N nu · t -, -a · to roll . rotate; nu · tx to circle about .
- N kWi-, rep. kWi·kkWi·ya sharpening, grinding, whetting, filing;
  N kWix-, -a rubbing.
- N mit-, -a° to twist yarn; N mitxW.-, -a° to rotate, turn about, circle about, Nt bitxW-, -a° to turn round and round, revolve.
- N Aic-Ais.-, -uk white; N Aicxw-, -ak faded, Nt Aicxw-, -ak dull-colored, gray.

N lic-, -ak fabric-like object spread out covering (something),
Nt lic- cover, cover over; N lih-. -ak (same as lic-),
Nt lix - id.

- N yim- unsatisfactory, undesirable, Nt yub- id.; N yimh-,
  -a ashamed; Nt yupx- in yupxu-1 slow, clumsy.
- N nus- to get tangled up (arch.); Nt dusx- to argue.
- N čal-, -a· to get split lengthwise (flat object, esp. board);

  N čahw-, čaha· to adze, cut with an adze, Nt čax-, m. -šik id.

$$N - x$$
,  $-x^{W}$ ,  $Nt - x$ ,  $-x^{W}$ 

- Nt pa- to handle a mass of small objects: to powder, sprinkle

  like powder, N to make ceremonial gift in potlatch; N pax-,
  -a · to apply powder.
- N, Nt či· to pull; N čix -. -a· to pull on.
- N čis.-, -ak <u>dark-colored</u>, <u>dirty</u>; N čišx-, -ak <u>id</u>.,
  Nt čišx<sup>W</sup>-, -ak <u>dirty</u>.
- N lu tq-, -ak in a confused bunch, clump; lu tx-, -ak id.
- Nt tucq-, -a · to break rope, pluck feathers; N tucx- to pluck hair, pull up grass.

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N hu-, hu-?i · lump; hup- roundish object. spherical or chunky object, Nt hup-. m. -ši hto throw round object down.

N hu-, -ya to bail, use a bailer, spill from a container;

Nt xu-, m. -čik to bail out water; N hut-, -a to splash,

throw liquid with cupped hand; Nt xut-, m. -šik to splash
water at something.

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- Nt pa- to handle a mass of small objects; to powder, sprinkle like powder, N to make ceremonial gift in potlatch; N pac-, -ak -a foamy, Nt pac-, -ak sudsy.
- N lin-, -ak fabric-like object spread out covering (something),
  Nt lix id.; N lic-, -ak id., Nt lic- cover cover.

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N ka-, -ya to measure; N kač-, -ak jutting out, extending out.

N ma- holding in the teeth, in the mouth, Nt ba- to bite;

N mac- to close the teeth, Nt bac- to bite, snap shut.

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N lugaring m. lugar to utter a very harsh sound; N lughe, -a to make a noise of drawing breath.

man wife

N, Nt kWi- sharpen, grind, whet, file; N, Nt kWil-, -a. salmon scraping bottom preparatory to spawning.

- N yu, yu'i wind blowing; yux to float; N yux -, -a · to get blown by the wind.
- Nt kix-, -ak dry and light (of wood); Nt kix-, -ak light.

  Cf. N kix-, -ak rapid, speedy.

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- N qut- qutk-, -ak lean, hard, tough, stiff, hard to the feel;

  Nt qut-, -ak bony, thin (lean); N, Nt qux -, -a to freeze,

  become frozen; N quš, -, uk stiff.
- 2.2. In some cases two consonants are added, e.g. -pq,
  -tk, -tq, -tx, -\(\lambda\kappa\kap
- -pq. N či· to pull; N čipq-, -a· to purse up. become pursed up; (bow or similar weapon) is drawn.
- -tk. N has-, -ak loud, bright; N hastk-, -ak id.
- -tq. N & "us-, -uk dry; N & "ustq-, -ak very dry.
- -Ak. N & i to shoot, Nt to shoot gun; N & iAk-, -ak inflated, exploded.
- -Aq. (Same as preceding); A'iAq-, -a to explode crackle, make a popping sound.

- -čk, -čk<sup>W</sup>. N \ am-, -a o to take hold with tongs: to cut with scissors: straddling, holding legs together, Nt \ ab-, \ \ ap- to cut with scissors, take a scissors hold: N \ apck-, \ \ apck^W-, -ak having legs held together, having arms close to side.
- -čx. N wi-, -ak scraped, bared, cleared, N wičx-, -ak id.
- -tq<sup>W</sup>. N laq<sup>W</sup>-, -ak mushy, m. -šik to throw soft, yielding mass;
  Nt latq<sup>W</sup>-, -šik to throw a rag.
- -tx<sup>W</sup>. (Same as preceding). N latx<sup>W</sup>-, -ak soft and yielding (but not breakable).

The isolation of these stem extenders adds new dimensions to the analysis of Nootka-Nitinat stems. We are able, in many instances, to discover families of related stems, often enough based on a simple CV root. Some of the more revealing sets are shown below.

Section 3 ma clamping in teeth, jaws

N ma- holding in the teeth, in the mouth; Nt ba- to bite. Nt bak- close teeth.

N mač, - to close the teeth; Nt bač - to bite, snap shut.
N mačk -, -ak -a · having the jaws closed.

# pa mass of small objects, particles

Nt pa- to handle mass of small objects; to powder, sprinkle like powder; N pa- to make ceremonial gift in potlatch.

N pax-, -a to apply powder.

N pac-, -ak -a. foamy; Nt pac-, -ak sudsy.

Perhaps also: N patqw-, -(q)uk goods, freight, load; Nt patq-ukw stuff.

And: N path-, -ak decayed (perhaps = disintegrated into small particles). Cf. Nt padax- (having reference to rotten wood).

## yu- buoyant, moving of air, wind

- N yu-, yu'i wind blowing; Nt yu- wind blowing, ak draft coming in.
- N, Nt yux to float; N yux (W-) lungs, Nt yux id.
- N yux -, -a · (fire, stove) heating, giving off hot air; Nt yux -, -a · hot (as stove).
- N yuxi-, -a · to get blown by the wind.

### qu- stiff hard

N qut- lean, hard, tough, stiff, hard to the feel; Nt qut-, -ak bony, (thin (lean).

N quik-, -ak id.

N quš.-, -uk stiff

N, Nt quxW-, -a to freeze, become frozen; N quex ice, Nt quex id.

## mu- burning, glowing

N mu-, -?ak burning; -ya· setting on fire, burning (things);
Nt bu-, -?ak burning.

N muq-, -ak phosphorescent, glowing.

N mu q throwing off sparks from fire-drill stick.

N mucis-, -uk gunpowder.

mu- heating. Cf. mu-.

N mux w- to boil; Nt bux w-, -a. boiling.

N muq-, -(qw)a· steaming; buqw-, m. -šià steam comes. (Also N muq- having liquid in mouth; Nt buqw-, m. -šià to puff water from mouth.)

N mux-, -(xW)a. boiling.

N muh-, -ak -a blazing, flaring.

hu- spherical object.

N hu-, hu?i. lump.

N hu?u-q-, hu?umc testicles (-ma c absolutive suffix).

N huýa-, huýa·k("-) waves; Nt hu·y-ibs id.

- N hup-roundish object, spherical or chunky object; Nt hup-,
  m. -šik to throw round object down.
- N hupk-, -ak roundish thing; Nt hupk- round thing, ball-like thing,
- N hupq-, -ak roundish thing.
- N hupq- long (roundish) object all the way in; Nt hupq-, -aid., plugged.
- N huhumk-sul with bulging eyes.
- Perhaps also: hupt-, -a. in hiding (in a crouched position ?)

tu- spherical object protruding. Cf. hu-.

- N tum- (tup-) to come out in a clump; lumped; heaped up.
- N tupč-. Same as tupčk-.
- N tupck-, -ak distended, opened out (esp. eyes).
- N tupq-, -ak lump.
- N tučk-, -ak protrusion, hill; Nt tučk-, -ak lump, piled up.
- N tučx-, -ak lump [= tupq-].
- N tuh"-, tuhciti head.
- N tuc-imit having hair cut short; Nt tuc-shorn, tuc-a bi with one's hair off.
- Perhaps also: tuc-, tucup sea egg of a certain large variety;

  Nt tucip id.
  - si- pointed stick-like object.
- Nt si-, m. -čià to strike fire (with match or fire drill).
- N, Nt si?i? fire drill, match.
- N sit-, sita tail; Nt sit id,
- N sitx-, m. -šià stick-like thing (stick, tail, penis) moves pointwise, gets wayed.

- N si ·q-, -a · stick getting shoved along pointwise.
- N simt-, -a to roast dried fish to prepare it for eating;

  Nt sibit-, -a id.
- N sipi q- to insert stick through herring when using it as bait in trolling; Nt si piq-, -a putting bait on hook.
- N siyu q-, siyu p fishing for devilfish; Nt si yu p groping with pole for devilfish.
- N sink-, -a spear sticking in target,

### Aa- standing, upright, erect, rigid

- N Aa-, -?ak (stick-like object) sticking up, m. -čik to drive wedge; Nt Aa-, m. -čik id.
- Nt Lab house post, post in general
- N λa-piq-, m. -šiλ to drive nails; Nt λapiqab spike, nail, wooden pegs of Douglas fir.
- N Aat-, Aanat wedge; Nt Aadit id.
- Nt lat-apt yew wood.
- N hate-, -ak rigid of body (person, frozen rope, frozen rag, animal, fish).
- N Aatčk-, -ak. Same as Aatč-.
- N Aašt-, m. -šiA to get stiff (e.g. by cold, death).
- N &a·s-maq-, &a·smapt sapling; small house post; Nt &a·s-apt young tree, sapling, pile, post.
- N Aakiš-, Aaki·s standing afoot; Nt Aakiš-, m. -šiA to arise, stand up.
- N AaAasic aquatic bird of certain sp. (probably snipe, as in Nt); AaAasć small snipe with long legs.

A'i- popping, banging

N &'i-, m. -čik to shoot, Nt to shoot gun.

N &'ič-, -a. to squeak, creak

N l'ilk-, -ak inflated, exploded; Nt l'ilk-, -ak distended (belly).

N &'i&q-, -a to explode, crackle, mak@ a popping sound; Nt sparking (aselectricity, burning wood).

N &'imq-, -a · to make a noise by beating, banging on boards;

Nt &'ubuqW-, -a · to keep time with stick.

λ'a- flat. flat against. Cf. λ'u-.

N A'ah-, -ak flatwise; flatwise against, alongside; Nt A'ax-flatwise against, m. -ši to patch.

N A'ax- vertically flat.

N A'aph-, -a· to slam broad object against; Nt A'apx- to slap with the hand.

N A'atx"-, -ak level, not hilly, not marred by bumps, swellings, etc.

N & ax -, -ak intaglio carved. cut in, hollowed out; cut off flat.

N & ac-, m. -si(&) to fold, double up; Nt to roll bed blankets.

N. Aack-, -ak collapsed; very hungry; Nt & ack-, -a collapse (e.g. bladder).

A'u- flat surface. Of. A'a-.

N, Nt & u.p., -a. doctoring by laying hands on belly.

N A'ul-, -a to feel grope with hands; Nt A'ul-, -a to feel for cause of illness.

N &'uh-, -a. holding the hand flat against surface, m. -ši&
to slap; Nt &'uxW-, m. -ši& to rest the hand against a surface.
N &'uq wide, broad; Nt &'uqW- id.

## či-, vessel for liquid

- N ci-, m. -ci(%) to scoop up liquid in a vessel, pour liquid

  from a vessel; to dip up with a scoop net; Nt ci-, m. -ci%

  to throw water out of a basket, use dip net, set purse net.
- N ći-, ći?as vessel lying on its side.
- N ci.-, -ya. to measure liquid.
- N ći · ýukum(q-) drinking vessel.
- Perhaps also: N ci·tk-, -a to throw a jet of water; water spurts out in a jet.
- And: N ci .tq-, -a. to spurt out in a jet.
  - hu- spilling from a container, splashing water with body-part, instrument
- N hu-, -ya. to bail, use a bailer, spill from a container;

  Nt xu-, m. -čik to bail out water.
- N hut-, -a to splash throw liquid with a cupped hand; Nt xut-, m. -ši to splash water at something.
- N hustq-, -a. to make a splash; Nt xušitq-, -a., m. -š(i) a splashing, slapping sounds on water (e.g. as made by fish's tail).
- Nt xu · yuq-, m. s(i) A to pour water on hot rocks for steam cooking.

- ta- line with object(s) attached, esp. at one end
- N ta-, m. -ci(A) to throw out line with bait, sinker, buoy;

  Nt ta-, m. -ciA to throw out line with anchor, hooks, bait.
- N ta?at-, d. (it. in form) tata ts fishing with a piece of bone sharpened at both ends and attached to line at the middle (old word).
- Nt te?is crab trap set.
- N tayu .- , tayu ·s anchored; Nt tayu anchored, tayu ·? sib anchor.
- N tap- girded, tied about; Nt tap- id, Nt tapawad girded, wearing belt.
- N tapq- id.
- N t'amuq-, -ak tied in knot; Nt tabuq -, -a to tie knots in rope, tie pieces of kelp together to make a long rope.
- N ta·k-k, m. ta·kstuk in a row. strung along (on a string), in a single file.
- N tanup-, -a to carry on the back, pack
- Nt fa dit, fa dut wearing necklace (-dit, -adt [L] on the neck); fa dib necklace.
- N tawack-, -ak having one end of long object (can oe, see-saw) up,
  -a (long object) moves see-saw fashion.
- N tawa k(W-), m, tawuk i(A) (having one's) vehicle loaded full;

  Nt tawa k v overloaded ("too much load").
- N tai-aq2, m. tawaqstu(2) (animal) is pregnant.

There are many difficulties in the way of getting an adequate understanding of the meaning of any particular form in languages like Nootka and Nitinat (which are not atypical as American Indian languages go), not the least of which is the fact that the English language is so ill-adapted to rendering the meaning in a reasonable equivalent, i.e., one which does not include more than should be included while excluding an important part that should be included. Add to this the fact that, as a general rule, the better the informant knows his own language, the poorer his command of English. And English has its own tricky points, of course, many of which its native speakers (even linguists) use without being aware of them. These and many other problems make it difficult to arrive at the basic meaning of a stem or root and even after a meaning has been assigned, an inadequate or awkward translation of a derivative can make it difficult to establish as such. In the published Nootka lexicon ta-, m. -či(2) is translated to throw out line with bait, sinker, buoy. In the Nitinat file Swadesh has translated ta- as objects on line, and m. -cias to throw out line with anchor, hooks, bait. A simple emendation of objects on line to line with object(s) attached is an improvement, however, even as the semantic base for the Nootka and Nitinat momentaneous forms. The momentaneous often means to do. act with reference to (the root or stem). Hence the overly specific translation to throw out line with bait, sinker, buoy (or Nt ... with anchor, hooks, bait) is seen to have the underlying meaning to do, act with reference to line with object(s) attached. We run into a

problem, however, when we try to decide whether N tamuq-, -ak tied in knot belongs here or not. In the Nitinat file the definition is given as to tie knotsin rope and when we look at what was said by the informant in the field it is to tie pieces of kelp together to make a long rope. Both of the Nitinat translations fit in better with the basic meaning of the root than the Nootka definition and therefore help to determine that this derivative does indeed belong here. A similar problem is faced when one tries to decide whether N tawa k(W-) (having one's) vehicle loaded full is based on our root ta- as already defined. Again Nitinat helps with the problem for there the translation is overloaded -- the informant said "too much load." Now overloaded elicits, among other things, the picture of being weighted down at one end, like a canoe or a wagon, and then we can see the similarity to a line with anchor or buoy attached. If we then emend the meaning of ta- by adding esp. at one end, so that it reads in full line with object(s) attached, esp, at one end we have no difficulty in bringing in N tawa k(W-) as one of the derivatives of ta-. We can identify the imagery invoked by N taw-aq& ('-aq& inside), which means (animal) is pregnant, in much the same way. The English translation is probably too inclusive, since pregnant in the clinical sense is probably not implied; rather it is (animal) is near term of pregnancy (i.e., with object(s) attached, hence weighted down inside).

Similar difficulties are met in deciding the best translation of all the other roots that have been set up in section 3. Doubtless

some errors have been made, both of inclusion and of exclusion. The possibility of homonyms also exists together with the possibility that homonyms will contaminate each other. Thus, N muq-, -(qW)a· steaming, Nt buqW-, m. -ši\(\frac{1}{2}\) steam comes may be a homonym with N muq- having liquid in mouth, Nt buqW-, m. -ši\(\frac{1}{2}\) to puff water from mouth. It is also conceivable that a better understanding of the basic meaning of mu- will also allow us to include both derivatives in the same family. In Nootka the two forms are treated separately, in the Nitinat files they were not.

4.2. Most of the forms included in the stem families shown in section 3 are derived by means of the stem extenders illustrated in section 2, while the rest are derived by means of known formative suffixes and a few, doubtless, by unique formative suffixes. The meaning of most formative suffixes is generally quite concrete, e.g. on the neck, inside, tree (or bush), etc., but the meaning of stem extenders is at best extremely vague. Certainly the stem extenders are semantically entirely distinct from formative suffixes.

In some instances a stem extender seems to add an intensive meaning. Note the use of -k, -q,  $-q^W$ , and -x in the following:

N naš-uk strong, firm

N našk-, -ak hard packed tight; Nt dašk-, -uk jell harden

N qat-, -ak to cut, slit, break; -a· to get cut, broken.
N qatqw-, -a· to amputate, get amputated.

Nt pit-, m. -ši to fit fit in, fit properly.

N pitq-, -ak -a jammed, packed tight; full.

N &'uš-, -uk dry.

N & uštq-, -ak very dry.

N lit-, -a. to twitch, whale runs with harpoon in him.

N titk-, -a to jerk, pull fast; Nt id.

Nt litq- to cringe from pain, twitch.

There are also many instances in which -q and -x appear to be interchangeable without any appreciable difference in meaning, e.g. N lu·tq-, -ak in a confused bunch, clump: N lu·tx- id.

Jacobsen<sup>8</sup> has pointed out that many instances of Nootka

-x, -x<sup>W</sup> "seem to have a pejorative aura about them." This feature
may very well be related to the phenomena Sapir has discussed in
Abnormal Types of Speech in Nootka. The large number of synonyms
which vary only in the presence or absence or switching of stem extenders is probably also associated with this in some instances.

For example, Sapir tells us that the culture-hero of Nootka " is
in the habit of inserting a meaningless x after the first vowel
of a word." The Nootka were also fond of imitating the speech of
other closely related dialects. These and many other facts will
need to be fully explored before we can come up with any final answers to the meaning of the stem extenders.

#### Footnotes

William H. Jacobsen, Jr., Origin of the Nootka Pharyngeals,
IJAL 35.125-153 (1969), especially sections 6.11-6.16; Mary R. Haas,
Internal Reconstruction of the Nootka-Nitinate Pronominal Suffixes,
IJAL 35.108-124 (1969), especially section 6.21.

<sup>2</sup>Nootka forms are taken from Edward Sapir and Morris Swadesh, Nootka Texts; Tales and Ethnological Narratives with Grammatical Notes and Lexical Materials, Special Publication of the Linguistic Society of America, Philadelphia, 1939,

<sup>3</sup>Nitinat forms are taken from the Nitinat Lexical File prepared by Haas and Swadesh and based on field work carried out in 1931. The material is on loan from the Boas Collection of the American Philosophical Society.

The labialized and nonlabialized varities of each dorsal are treated together since it is very difficult to separate them and Nootka and Nitinat often disagree on this point; see Haas, op. cit., sec. 6.22 and also Jacobsen's paper, Labialization in Nootkan, prepared for the Fourth International Conference on Salish Languages.

In quoting Nootka forms some modifications have been introduced which differ slightly from the conventions used in Sapir and Swadesh, op. cit. Instead of repeating each stem in full with its durative suffix or suffixes (e.g. hič-, hiča· illuminate), the durative suffix alone is shown after the comma (e.g. hič-, -a· illuminate). A similar device is used for the momentaneous except that it is preceded by the abbreviation m., e.g.  $\lambda$ 'isk-, m. - $\check{s}i(\lambda)$  to flash white.

The normal Nitinat correspondence for Nootka h, h<sup>w</sup> is x, x<sup>w</sup>; see Haas, op. cit., section 6.12. Ncotka x, x<sup>w</sup> is an innovation, but it too sometimes corresponds to Nitinat x, x<sup>w</sup>. These may be remnants of old doublets in Nootka (see Jacobsen's discussion of this, op. cit., sections 6.0, 6.10). Some are probably the product of a type of intensity symbolization, e.g. N &'ih-, -uk red (normal) vs. N &'ix-, -ak and &'ix<sup>w</sup>-, -ak red-hot, red, brown (intensive).

<sup>7</sup>See footnote 2.

<sup>8</sup> Jacobsen, op. cit., sec. 6.16.

<sup>9</sup>Reprinted in Selected Writings of Edward Sapir, David G. Mandelbaum, ed., pp. 179-196. Berkeley and Los Angeles: University of California Press (1949).