

## APPENDIX 1. VERBS WITH TWO WEAK RADICALS (SELECTION)

’ /J/W

**nē’um** e G: to turn back (trans. and intrans.); pres. *inē’*, pret. *inē’/inē*, perf. *ittē’*

D: to turn back (trans.)

N: to be turned back

**nawûm** i G: to be desolate, deserted; D: to lay waste

cf. *nawûm* “pasturage, steppe”

**awûm** u G: to speak (only OA)

Gt: to speak, discuss (*itti* with); pres. *īlawwu*, pret. *īlawu*, imp. *atwu*, inf. *atwûm*, part. *mūtawûm* eloquent

Š: to reflect on (*itti/ina libbi*), to debate with; pres. *uštawwa*, pret. *uštāwi*, , inf.

*šūtawûm*, part. *muštāwûm/muštamû* considerate, talkative

cf. *awātum* “word”, *atwûm* “speech, word”, *māmītum* “oath, curse” (so CAD; AHW. derives from *wamā’um*)

**ewûm** i G: to become, turn into (*ana*, *-iš*) (intrans.); pres. *iwwi/immi*, pret. *īwi/īmi*, perf.

*\*īēwi/itēmi* imp. *\*ewi/emi*, stative *\*ewi/emi*

D: to make like/into (*-iš*); pret. *uwwi*

Š: to make like/into (*kīma*, *-iš*); pres. *\*ušewwa*, pret. *\*ušēwi*

B/P

**ba’ûm** G: not attested

D: to look for (foms have hard aleph); inf. *bu’ûm*

**bâ’um** a G: to walk along, overtake, enter into (*ana*); pres. *ibâ’/ibâ*, pret. *ibâ’*

Š: to cause to move along; pres. *ušbâ’*, pret. *ušbî’*, imp. *šubî’*, inf. *šubû’um/šubûm*

**ebûm** G: to be thick; Stative *ebi*

**epûm** i G: to bake (forms as *elûm*); cf. *ēpûm* “baker” (< *ēpi’um*)

**wapûm** i G: to appear, be visible; pret. *īpi*

D: to make visible; pres. *uppa*, pret. *uppi*, part. *muppûm*, inf. *uppûm*

Š: to make manifest/glorious, to produce, display; pres. *ušappa/ušeppe*, pret.

*ušāpi/ušēpi*, perf. *uštāpi/uštēpi*, imp. *šūpi*, part. *mušāpûm/mušēpûm*, inf. *šūpûm*

Št: passive of Š

**na’āpum** u G: to be dry, wither; pres. *ina’up*, pret. *i’up*

Dt: to be made to wither; pret. *utta’ip*

**nabûm** I i G: to name, call; D: to lament, wail

**nebûm** i G: to shine, sparkle

**napûm** i G: to sieve, sift

D/T/Ṭ

**edûm/wadûm** e G (Bab.: *jd’*, Ass.: *wd’*): defective, only: *īde* he/I know(s), *tīde* you know

(2m. sg.), *tīdē* you know (2f. sg.), *īdû* (3m. pl.), *īdâ* (3f. pl.) they know, *tīdeā/tīdâ*

(2 pl.), *nīde* (1 pl.); precative *lū īde* may he/I know, *lū tīde* may you know; rarely

stative (*i-da-ta* you know); part. *mūdûm* (< *mūda’um*, muPRaS-)

D (Bab. and Ass. *wd’*): to make known, identify, allocate; pres. *uwadda/udda*, pret.

*uwaddi/uwaddi*, perf. *ūteddi*, imp. *wuddi*, part. *muwaddûm*, inf. *wuddûm*

Dt: to be identified, appointed, assigned; pres. *ūtadda*, pret. *ūtaddi/ūteddi*

Š: to cause to know, acquaint with, show; pres. *ušedde*, pret. *ušēdi*, perf. *uštēdi*,

imp. *šūdi*, part. *mušēdûm*, inf. *šūdûm*

cf. *mūdûtum* “knowledge”, *šūdûtum* “announcement, edict”

**eṭûm** i G: to become dark, dim; pret. *īṭi*, stative *eṭu*

D: to darken

Dt: to be darkened

cf. *eṭûm* “dark” (< eṭu’um), *eṭûtum* “darkness”

**watûm** a, later u G: to find; pres. *utta(uttu)*, pret. *ûta(ûtu)*, stative *wati*

D: to (re)discover, select; pres. *utta*, pret. *utti*, imp. *utti*, part. *muttûm*, inf. *uttûm*

Št: to meet one another, to meet with (*itti*), to combine; pres. *uštatta*, pret. *uštāti*, imp. *šutāti*, inf. *šutātûm*

**na’ādum** i G: to pay attention (*ana* to), to be concerned, worried (*ana* about); pres. *ina’id*, pret. *i’id*, perf. *itta’id*, imp. *i’id*, stative *na’id*

Gt: watch carefully, observe strictly

D: to alert, notify; pres. *una’ad*, pret. *una’id*, perf. *utta’id*, imp. *nu’id*, inf. *nu’udum*

**nādum** a G: to praise, extoll; pres. *inād*, pret. *inād*, perf. *ittād*, imp. *nād*

D: to praise; pres. *una’ad*, pret. *una’id*, perf. *utta’id*, imp. *nu’id*, inf. *nu’udum*

Dt: to be praised; pres. *utta’ad*, pret. *utta’id*

cf. *tanittum* “(hymn of) praise”

**nadûm** i G: to throw, lay down, cast; Š: caus. to G

**naṭûm** i G: to beat, whip

**naṭûm** u G: to be suitable, proper

G/K/Q

**qu’ûm** D: to await, wait for (*ana*), wait on, trust; pres. *uqawwa/uqâ*, pret. *uqawwi/uqî*, imp. *qawwi/qî*

Partly confused with *waqûm*

**egûm** i, sometimes u G: to be lazy, negligent; pres. *iggi/u*, pret. *îgi/u*, perf. *itêgi/u*

cf. *egûm* “negligent”, *egûtum* “negligence”, *mêgûtum* “negligence”

**ekûm** u G: only adj. attested *ekûm* impoverished, orphaned (< eku’um)

D: to deprive of, starve; pret. *ukki*, inf. *ukkûm*

cf. *ekûtum* “impoverishment, orphanhood”, *mêkûtum* “want, lack”

**waqûm** i G: to wait for (OA only; pres. *\*uqqa*, pret. *\*ûqi*, imp. *qi*)

D: wait, await; pres. *\*uwaqqa/uqqa*, pret. *uwaqqi/uqqi*, perf. *ûtaqqi*

Dt: to wait (on someone), to attend to; pres. *ûtaqqa/ûteqqe*, pret. *ûtaqqi/ûteqqi*, imp. *utaqqi*, inf. *utaqqûm/uteqqûm*.

Partly confused with *qu’ûm*

**naqûm** i G: to pour, libate, sacrifice; cf. *nîqum/nîqûm* “offering”

**nagûm** u G: to sing joyfully, carol

cf. *nîgûtum* “joyful song”

**nâkum** i G: to fornicate; Š: to cause/allow to fornicate

**nâqum** I u G: to cry out, wail

**nâqum** II u G: to run, go

S/Z/Ş

**se’ûm** i G: to press down; pres. *ise’i*, verbal adj. *se’ûm*

**waşûm** i G: to go out; with ventive: to come out; pres. *uşşi*, pret. *ûşi*, perf. *ittaşi*, imp. *şî*

Gt: to go away; pres. *ittaşşi*, pret. *ittaşi*, imp. *taşi*

Ş: to make/let go out, to send/bring out; pres. *uşeşşe*, pret. *uşêşi*, perf. *uštêşi*, inf. *şûşûm*

cf. *şîtum* “exit, new growth, issue, (sun-)rise”, pl. *şîâtum* “distant time, primeval time”

**wâşum** i G: to be few, insufficient; cf. *wîşum* too small, little, few

**nesûm** e G: to be distant, far; to distance, depart from; D: to take away, remove

**nâşum** a G: to despise

## Š

**ša'ûm** i G: to walk around (so AHw; CAD has only a verb *šá'um*, no *ša'ûm*)

**ša'ûm** G: not attested

Dt: to trifle, treat lightly, be idle; pres. *ušta''a/uštâ*, pret. *ušta''i*, inf. *šuta''ûm*, part. *mušta''ûm* idle

**še'ûm** i G: to seek (out); pres. *iše''e/išê*, pret. *išê*, perf. *ištê'e*, imp. *še'e*

Gtn: seek constantly, visit assiduously; pres. *ištene''e*, pret. *ište''e*, imp. *šite''e*, inf. *šite''ûm*, part. *mušte''ûm*

**šawûm** i G: to roast (intr.); pret. *išwi*, imp. *šwi*

D: to roast (trans.); pret, *ušawwi*, inf. *šuwwûm* (*šu-ú-ú*)

**šâ'um** u G: to fly about, flutter; pres. *išâ'*, pret *išû'*

**išûm** u G: to have; defective, only: *tšû* he has, I have, *tšû* you (m.) have, *nšû* we have, *tšû* they have; precative *lû tšû* may you (m. sg.) have, *lû tšâ* may you (pl.) have

**našûm** i G: to lift, carry; Š: to cause to lift, carry

**nâšum** u G: to rock, shift, quake; D: to cause to move, quake

**nêšum** e G: to live, heal; pres. *ine'aš/inêš*, pret. *inêš* Š: to keep alive

cf. *nšum* "life, oath", *tenêštum* "personnel", pl. *tenêšêtum* "mankind"

## Ĥ

**aĥûm** Gt: to fraternize, become brothers

cf. *athû* pl. "companions, partners", *athûtum* "partnership"

**nâĥum** u G: to be at rest; D: to calm, appease, placate; Š: to soothe

cf. *nêĥtum* "calm, peace", *tanêĥtum* "pacification"

## L

**la'ûm** G: not attested

D: to sully, make dirty; pret. *ula''i/u'le''i*, imp. *lu''i*, part. *mula''ûm*, inf. *lu''ûm*

Dt: to be sullied, made dirty

cf. *malûm* "dirty (body) hair"

**le'ûm** i G: to be able, powerful; pres. *ile''e/ilê*, pret. *il'e/ilê*, perf. *ilte'e*, part. *lê'ûm*

cf. *lîtum* "power, victory", *telîtum* f. "(the) competent (one)" (Ištar)

**elûm** i G: to be high, go up, rise; pres. *illi*, pret. *îli*, perf. *îteli*

Gt: to go up and away; *ina x*: to forfeit x

D: make high(er), raise

Š: install, bring forward, produce; pres. *ušelle*, pret. *ušêli*, perf. *uštêli*

cf. *elûm* "high" (< eli'um), *eli* "on", *mêlûm* "height"

**e'elum** i G: to bind, tie (on to); pres. *i'il*, pret. *î'il*, imp. *e'il*, stative *e'il* (the "hard aleph" is spelled with a vowel or ĤI = 'i)

cf. *i'lum* "contract, bond", *e'iltum* "bond, obligation"

## M

**ma'ûm** G: not attested

D: to throw/hurl down; to praise<sup>?</sup>; pret. *uma''i*, imp. *mu''i*

**mâ'ûm** a G: to vomit (bile); pres. *imâ'*, pret. *imâ'*

**wamâ'um** G: to swear (Oakk only, later replaced by *tamûm*)

cf. *māmîtum* "oath, curse" (so AHw; CAD derives from *awûm*)

## N

**enûm** i G: to change (forms as *elûm*)

## R

**re'ûm** i G: to pasture, tend; pres. *ire''e/irê*, pret. (*ir'i*)*irê*, perf. *irte'e* part. *rê'ûm* shepherd

cf. *rîtum* "pasture", *merîtum* "pasture"

**erûm** G: to be naked (very rare); D: to strip (naked/bare), to empty  
 cf. *ûrum* “pudenda”, *mêrênum* “nakedness”, *eriššî*-Pronoun “in ... nakedness”

**arûm/erûm** i G: to be pregnant, conceive (forms as *elûm*); D: to make pregnant  
 cf. *arûm/erûm* pregnant (< ari’um/eri’um)

**êrum** G: to be awake (Pret. *i’êr*, Stative *êr*); D: to wake up (trans.) (Pret. \**u’ir*, Stative *ûr*)  
 cf. *êrum* “awake”

**warûm** u G: to lead; pres. *urru*, pret. *ûru*, imp. *ru*  
 Gt: lead away  
 Gtn: to guide, steer, administer; pres. *ittanarru*, pret. *ittarru*, part. *muttarrûm*  
 Š: conduct, direct; pres. *ušarra*, pret. *ušāri*  
 cf. root variant *tarûm* u “to lead away”

**wârum** i G: to go (up to); pres. SB *i’âr*, pl. *i’irru*, pret. OB *iwîr*  
 D: to instruct, govern; pres. *uwa’ar/uwâr*, pret. *uwa’er/uwêr*, imp. *wu’er/wêr*, inf. *wu’rum/wurum*  
 cf. *muwerrum/mu’errum* “leader”, *têrtum* “instruction” *wu’urtum* “commission, command”

**nârum/nêrum** a G: to kill; pres. *inâr/inêr*, pret. *inâr/inêr*, perf. *ittâr*, imp. *nêr/na’er*, stative *nêr*, part. *nâ’erum/nê’erum*, *munêrum* (f. *munêrtum*)

**na’ârum** D: to roar, snarl

## APPENDIX 2. VERBS WITH FOUR RADICALS

### A. The Š-Group

The prefix-vowel is usually *i-*, sometimes *u-*

#### a. Strong Verbs (third and fourth radical r, l, m):

**šugarrurum**: to roll (cf. *qarârum* Š: to make someone grovel); cf. *šugurru* “roll, mat”

**šuḥarrurum**: to be deathly still; stative *šaḥur*, *šuḥarrur*, *šuḥar(r)*; prefix vowel *i-*, later *u-*; cf. *šaḥurratum* “deathly hush”

**šuparrurum**: to spread out

**šuqallulum**: to hang down (intrans.); prefix vowel OB *i-*, later *u-*

**šuqammumu**: to be silent, still; prefix vowel OB *i-*, later *u-*; cf. *šaqummum* “silent, secluded”

#### b. Weak Verbs (third radical ’<sup>3-5</sup>):

**šube’ûm** (šb’î): to rush upon, prs: *ušba’i*, pret. *ušbî*, perf. *uštebî*’

**šukênum**: to prostrate oneself (cf. *muškênum* “commoner”)

**šupêlum**: to exchange, overturn

### B. The N-Group

The second radical is *l* or *r*. The verbs of this group are intransitive, or express an action that is not directed at an object. The N-forms are ingressive, the Š forms causative.

#### a. Strong Verbs:

**na’arrurum** N: to go to assist, bring reinforcements; cf. *ne’rârum/nêrârum* “aid. help”

**nabalkutum** N: to cross over, revolt, defect

Š: to cause to cross over, transport

Št: to be transported

**nagalmušum** N: only as adjective *nagalmušum* “exalted”

Š: only as substantive *šagalmušum* “fear”

**naḥarbušum** N: to frieze (intr.); derived from *ḥurbāšum* “frost, terror”

**naḥarmumum** N: to break down, collapse

Š: to cause to break down, collapse

**naḥarmuṭum** N: to dissolve, melt (intrans.)  
 Š: to cause to dissolve, melt  
**naḥaršušum** N: to collapse (intr.)  
 Š: to cause to collapse  
**napalsuḥum** N: to fall to the ground, squat, grovel  
 Š: to make prostrate  
**naparqudum** N: to lie on one's back, flat (against)  
**naparzuḥum** (N: not attested)  
 Š (*šuparzuḥum*): to make abundant  
**naparšudum** N: to flee, escape  
**našarbuṭum** N: to flit, chase about  
**nazarbubum** N: to (tremble with) rage

b. Weak Verbs

These verbs have as their fourth radical *i(/y)* or *u(/w)*, and usually (especially in Babylonian) a shift from *a* to *e*.

**nagaltûm/negeltûm** u N: to wake (up) (intrans.)  
**nagaršûm** ? N: to run about in confusion  
 Š: to confuse, upset  
**nehelšûm** i N: to slip, slide  
 Š: to cause to slip, slide  
**nekelmûm** i N: to frown at, regard malevolently  
 Š: to cause to frown at etc.  
**namarkûm/nemerkûm** i N: to be late, delayed, fall behind, default  
 Š: to cause to be late etc.  
**napalkûm/nepelkûm** i N: to be wide (open); cf. *palkûm* "wide, broad"  
 Š: to open wide  
**napardûm/neperdûm** u N: to shine brightly  
 Š: to lighten, illuminate, make cheerful  
**naparkûm/neperkûm** u N: to cease, stop doing something  
 Š: to allow to cease  
**neqelpûm** u N: to float, glide (along/downstream)  
 Š: to sail (a boat/cargo) downstream  
**nêrsûm** ('rsû) u: only as adjective *ersûm* "ready, prepared, trained"  
 Š: *šutêrsûm* "to make ready, prepare, train"  
**nešergûm** (šrgû) u: only as adjective *šergûm* "adorned"

