RARA AVIS : A STUDY OF THE HU SECTION OF THE Sa VOCABULARY YORAM COHEN

IN:

YOUR PRAISE IS SWEET

A MEMORIAL VOLUME FOR JEREMY BLACK FROM STUDENTS, COLLEAGUES AND FRIENDS



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RARA AVIS: A STUDY OF THE HU SECTION OF THE SA VOCABULARY

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The S^a Vocabulary is a lexical list of over two hundred signs arranged in a relatively fixed order.* Every sign is given a single entry or more, sometimes over fifteen, and supplied with an Akkadian translation or gloss in a separate column. Occasionally, the signs are given the reading of their value and their names.¹ The vocabulary is known from various incomplete manuscripts found in the sites of Assur, Emar, Ḥattuša, and Ugarit. At Ḥattuša, in addition to the sign and Akkadian columns, a Hittite column is provided, whereas at Ugarit vocabularies with Hurrian, and with Hurrian and Ugaritic, columns are found.² At Emar, all the sources of the list are bilingual, with the occasional pronunciation gloss of the sign. There is no column in the local language, 'Emarite', as in Ugarit and Ḥattuša. However, occasionally, some West Semitic or non-normative Akkadian forms are found dispersed throughout the list.³

The first part of this contribution is concerned with the ḤU section of the Emar S^a Vocabulary. The Akkadian entries of this section seemingly defy a straightforward explanation, because they cannot be paralleled with what is known from other sources of the list. They will be explained one by one and shown to form, apart from the last entry, a semantically related group. The second part will study the ḤU section of the partly preserved Boğazköy S^a Vocabulary, KBo 26.34 obverse. This section caused much controversy amongst Hittitologists and Indo-Europeanists because of the reconstructed equation between [ḤU], [iṣṣūru], and Hittite šu-wa-iš and the subsequent translation of the Hittite entry as 'bird'. This translation can now be shown, at best, as doubtful. Following the discussion, an edition of KBo 26.34 obv. will be presented. It is hoped that the commonplace assertion that the lexical lists from the Western Periphery (like those from Emar and Ḥattuša) are full of mistakes and/or are laden with West Semitic entries (like those from Emar) will be subjected to some reconsideration, when the various lexical traditions interlaced in the S^a Vocabulary recensions become more apparent.

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¹ See Cavigneaux 1983: 622–3; Civil 1995: 2309. See Gong 2000 for the pronunciation and names of the signs.

² The Ugarit vocabularies were edited by Nougayrol in *Ugaritica* 5 nos. 130–8 (re-edited by Huehnergard 1987: 21–102; see also van Soldt 1990); add also RS 94.2939, a S^a Vocabulary of Sumerian, Akkadian, and Hurrian columns, edited by Salvini and Salvini 1998; 1999a; 1999b. The Assur and Boğazaköy (CTH 299) recensions were edited in MSL 3 49ff.; to the latter add KBo 26.34, whose obverse is edited here.

³ D. Arnaud edited the Emar remains of the list in a conflated edition (*Emar* 537). See the studies of Sjöberg 1998; Pentiuc 2001; see also Borger 2004: 231–4; Cohen 2002; 2006; forthcoming.

⁴ See the review of the literature in Rößle 2004: 546 n. 8.

THE HU SECTION OF THE EMAR SA VOCABULARY

There are three main copies of the S^a Vocabulary at Emar, with some additional fragmentary manuscripts.⁵ The HU section, however, is preserved only in one copy, Copy 2.⁶ The section consists of five entries (Figure 1):⁷

(82)	i 19′	ӉU	ḫи-иZ-Zи ⁸ -rи
(83)	i 20′	ĤU	ḫu-bu-šu
(84)	i 21′	ӉU	hu-uZ-Zu-Zu
(85)	i 22′	ĤU	hu-ri-Zu-tu₄
(86)	i 23′	ĤU	na-pár-šu-Zu

The five equivalents for HU given in the right hand column are difficult to explain on the basis of what is apparent in the lexical tradition. Basically, the equation of HU with hu-uZ-Zu-ru, hu-bu-su, and hu-uZ-Zu-Zu is unknown from other lexical lists, be it the S^a Vocabulary or others, while $hu-ri-Zu-tu_4$ is altogether a form that is not recognizable in the Akkadian dictionaries. The last form, $na-p\acute{a}r-s\acute{u}-Zu$, likewise defies an easy equation with HU, at least without some emendation. However, the problem can be resolved by recourse to the TAR section of the lexical list Aa III/5 (MSL 14 345–6). Observe the following:

56	ku-ud	TAR	ḫe-se-rù šá šin-ni	'to blunt, trim a tooth'
103	ḫa-áš	TAR	še-bé-rù	'to break'
104			ḫa-ṣa-bu	'to cut or break'
105			ḫa-aṣ-bu	'broken off'
106			ḫa-ṣa-ṣu	'to break' (?)
107			ha-ba-šu	'to break into pieces'
108			ha-ma-šu	'to break or snap off' (?)9
109			þa-ka-rù	'to break or smash' (?) ¹⁰
110			ga-da-du	'to chop'
111			þa-šá-lu	'to crush'
112			ka-pa-rù	'to strip, trim down'

As expected, all the Akkadian verbal forms equated with TAR, or rather with the verbs kud and has, have to do with cutting and chopping. Note in particular the highlighted entries 56, 106 and 107. When these three are compared to the entries of the HU section, the following paradigm emerges:

⁵ The manuscripts are reconstructed on the basis of Civil 1989: 9. Copy 1 (= A [Msk 74171b] + E [Msk 74158a] + G/G′ [Msk 7523a+b] + H [Msk 74199d] + I [Msk 7521]) is the most complete and the longest, preserving nine columns. Although the copy contains a colophon, the name of the scribe or copyist is broken, therefore he cannot be identified (cf. *Emar* 604.9, which is Arnaud's restoration of the colophon). Copy 2 (= C [Msk 731064 + 74249a] + D [Msk 74249b]), at three columns per side, is a shorter version than Copy 1. The upper part of the tablet is partly broken off, but the colophon is fully preserved, supplying the name of the copyist, Ribi-Dagan. Copy 3 (= F [Msk 74231a]) is the shortest of the main manuscripts, preserving some three incomplete columns on each side. Of the remaining incomplete manuscripts, manuscript B (= Msk 74204a [not Msk 75204a!]) is the longest. It contains a colophon identifying Šaggar-abu of the renowned Zu-Ba'la family as its copyist. See Cohen 2009: 166–70.

⁶ Copy 2 is the work of Ribi-Dagan, a novice scribe at the Emar school, who also copied Hh Tablet III-Va (= *Emar* 543A, 544A, and 545A [= Msk 731030]); see Civil 1989 for the reconstruction of the Emar Hh list. For the scribe Ribi-Dagan, see Cohen 2009: 126–31.

⁷ The parenthesised numbers follow Arnaud; the second column gives numbers according to the tablet.

⁸ The sign throughout is ZU; for a SU sign, see Copy 2 (D [= Msk 74249b]) rev. 9′, and Copy 1 (A [= Msk 74171b]), i 29, and (E [= Msk 74158]), i 12′.

⁹ AHw 315: *ḥamāšu* 'abknicken'.

¹⁰ AHw 309: *hakāru* 'zerschlagen'.

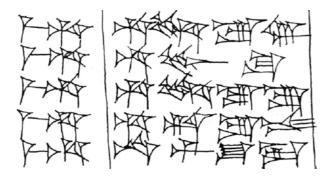


Figure 1: Msk 731064 + 74249a

Aa III/5:	TAR (kud or haš)	Emar S ^a :	ĤU		
56	<i>þesēru</i>	i 19′	hu-us-sú-ru	→ ḫussuru	'to trim'
107	<u></u> habāšu	i 20′	ђи-bu-šu	$\rightarrow hubbušu$	'to chop up'
106	<i>ḫaṣāṣu</i>	i 21′	hu-uṣ-ṣú-ṣú	→ huşşuşu	'to cut, break'

In the Emar HU section, therefore, are three perfectly normal Akkadian verbs. When equated with TAR in the Aa lexical list they are found in the G Stem; when equated with HU in the Emar list, they are given in the D Stem. It seems that the latter gives forms one would expect as Akkadian translations of reduplicated Sumerian verbs, which are occasionally presented as D Stem verbal forms. As Yoshikawa (1979: 108) observes, verbs of the D Stem, or the *piel* reduplication, translating Sumerian reduplicated verbs 'center around the semantic field of "breaking", "cutting", "destroying", "injuring" and the like'. As such they fit the category of forms found here.

It remains unclear why forms beginning with /hu/ are given D Stem entries in the Emar list, although some phonological association between the pronunciation of the sign and the entries can be imagined. The origins of this tradition likewise remain opaque, but it can also be traced in one of the Boğazköy Sa Vocabulary recensions. G Stem forms of the D Stem verbs in the HU section are not found in the TAR section of the Emar Sa Vocabulary (or elsewhere in that list). The Akkadian forms equated with TAR are, as expected, verbs like *nakāsu* 'to chop', and *parāsu* 'to divide, slice' (*Emar* 537, 24, 589′–98′). As will become apparent, however, some of the Emar HU

¹² It might be that the sign ḤU was analyzed as a double (vertical) TAR sign, hence understood as TAR-TAR, or kud-kud/haš-ḥaš (as suggested by N. Veldhuis, personal communication). Note the possible relationship of ḤU to ḤUM (the sign LUM). ḤUM is equated in the lexical tradition to verbs of a similar semantic field, a few also beginning with /h/; some of the verbs are also equated with TAR. Cf.:

S ^b Voca 213	abulary (MSL 3 hu-um	114): HUM	ha-ma-šu	'to strip'		
	gu-um MSL 14 397): [ḫu-uz] [gu-u]z? [gu]-uz [gu]-uz	[HU]M HUM HUM HUM	ha- ^r şa-bu ¹ ga-şa-şu hu-ur-ru-ru hu-ur-ru-mu	'to break off' 'to trim' 'to dig' 'to separate'		
Emar S 135 136	ag-Tablet (MSI kirì-ḤUM kirì-ḤUM	ŭ	'snapped off (nose)' 'malformed (nose)'	1		
Hh 24 (MSL 11 8; cf. AHw 315, 355): 165 še-hum-hum <i>hum-mu-šu</i> 'crushed (barley)' (vel sim.)						

¹¹ See Yoshikawa 1979; Steinkeller 1979; Thomsen 1984: 123–7. The Akkadian translation of reduplicated Sumerian verbs in the Grammatical Texts is also instructive (Black 1984/1991: 40–1).

section D Stem forms do appear in other lexical lists as equivalents of reduplicated has and kud (see Yoshikawa 1979: 103).

What follows is an entry-by-entry elucidation of the Emar S^a Vocabulary HU section.

Entry i 19'

HU hu-us- $s\acute{u}$ - ru^{13} $\rightarrow hussuru$

The Akkadian entry is a D Stem verbal form derived from *hesēru* 'to trim' (see above, Aa III/5, 56; cf. CAD H 176, 257–8). Note that *hesēru* and *haṣāṣu* (see entry i 21') are near synonyms. ¹⁴ Sjöberg (1998: 247 no. 82) translates the entry as 'blunted'. It is difficult to know whether this form, and indeed, the other verbal forms in the HU section, are D Stem infinitives or verbal adjectives, because the forms are morphologically identical. It is usually understood that in lexical lists the Akkadian translations of the reduplicated forms of TAR (i.e., ḥaš-ḥaš, or kud-kud), and any other reduplicated Sumerian verbs, are given in the Akkadian *piel* or D Stem infinitive (Yoshikawa 1979: 115 and *passim*).

Entry i 20'

HU hu-bu-su $\rightarrow hubbusu$

The entry is a D Stem verbal form ($\rightarrow hab\bar{a}\bar{s}u$ 'to break into pieces'; see above Aa III/5, 107). Sjöberg (1998: 248 no. 83) translates it as 'either "describing a characteristic bodily trait" or "defective" (said of objects). Note these (partly restored) entries in Diri I (MSL 15 108–9): 16

64 [ha-aš-ha-aš] [TAR.TAR] [šu-u]b-bu-ru 'to break' 65 [ha-aš-ha-aš] [TAR.TAR] hu-bu-šu 'to break into pieces'

Entry 65 in Diri I is identical to the form found in the Emar HU section, with the same non-doubling of the consonants.

Entry i 21'

 $rac{HU}{}$ hu-uṣ-sú-sú 17 $\rightarrow hu$ ṣsusu

The entry is a D Stem verbal form ($\rightarrow has\bar{a}su$ 'to break', 'to chop'; see above Aa III/5, 106), which is attested not only in the lexical tradition, but in other genres as well (cf. CAD $\text{\r{H}}$ 131). Note the following equations of Akkadian hussusu with reduplicated TAR or kud:

OB Lu, Frag. 1 (MSL 12 201): 7 lú-šu-kud-rá *ku-uṣ-ṣú-ṣú-um* 'chopped(-hand-person)'

¹³ Note that the sign ZU is used to write /su/. Ribi-Dagan, the scribe of Copy 2, shows great flexibility in the writing of sibilants, allowing almost any sibilant sign to be assigned in order to write /s/, /ṣ/, /š/, or /z/. E.g., zV signs for /sV/, Copy 2, iii 5: [n]i-sí-iq-tù; and Emar 545, Hh III (Msk 731030), 401′: ha-sí-sà.

¹⁴ Cf. Leichty 1970: 93: BE UDU.NITÁ KIMIN (SI.MEŠ) IGI-*šú has-ra* // (var.) *haṣ-ṣa...* 'If a ram's horns are blunted // (var.) broken in front...'.

¹⁵ Pentiuc 2001: 73 assumed that *ḫu-bu-šu* is a type of bird, but this suggestion is not likely. ḤU as mušen is indeed equated with *iṣṣūru*; see the S^a Vocabularies of Assur, Frag. D (MSL 3 54) 1′, 10′ and 13′; Ugarit, RS 94.2939 (Salvini and Salvini 1998: 5) obv. i 11 (the ḤU section is not preserved in other Ugarit manuscripts). However, ḤU, or mušen, is only equated with the general nomenclature *iṣṣūru* 'bird'; the ḤU section does not list specific types of birds. Specific types are always listed in lexical lists as items followed by the post-determinative mušen. To suggest otherwise would be to assume a break with a guiding principle in the lexical tradition. See Hh XVIII, the 'Bird-Tablet' (MSL 8/2; cf. http://cdl.upenn.edu/dcclt/ sub UR₅-ra 18); cf. also the OB 'bird-list' edited by Black and Al-Rawi 1987 (re-edited by Al-Rawi and Dalley 2000: 105–7); see also Veldhuis 2004: 209–305; Salonen 1973.

 $^{^{16}}$ Cf. haš = $\check{s}eb\bar{e}ru$ in Aa III/5, 103, above, and see Yoshikawa 1979: 103 for additional lexical sources, which provide the basis for the reconstruction of these entries.

¹⁷ For zV signs used to write /sV/, see Copy 2, iv 23': sí-rù and v 18: sé-eh-rù.

¹⁸ Sjöberg 1998: 248 no. 84 provides Arabic etymologies for the entry, saying that '*huṣṣuṣu* in the Emar lex(ical) text might then be a "(person) with little/no hair".' He regards the entry as a non-Akkadian or a West Semitic word (1998: 240).

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SIG<sub>7</sub>.ALAN XVII (MSL 16 164):
329 šu-kud-kud-rá ku-uṣ-ṣu-ṣu 'chopped(-hand)'
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There is no doubt that Akkadian kuṣṣuṣu (sub $gaṣ\bar{a}ṣu$ 'to trim, cut', equated with kud; see CAD G 53) is akin to huṣṣuṣu, with the well-documented alteration in Akkadian between /k/ and /h/ (see GAG §25d).

Entry i 22'

HU hu-ri- $s\acute{u}$ - tu_4 $\rightarrow hurs\bar{u}tu$

On the basis of the previous entries of the section, the root of the entry $hu-ri-ZU-tu_4$ is probably Akkadian H-R-S. The G Stem infinitive derived from this root is harasu 'to cut down, cut off'. The entry is to be read $hu-ri-su-tu_4$ and possibly vocalized as */hu-ru-v with the sequence /ri-su/containing an anaptyctic vowel /i/ that breaks up the consonantal cluster. The entry can be compared with Akkadian hersv 'deductions' (hu-v harasu; cf. CAD H 199 and AHw 347; the word appears in the lexical list hu-v Ana Ittišu [MSL 1 63]). We would then have a hu-v noun with an adjectival ending hu-v The variability of the vowel quality between hu-v and hers should not be a reason for concern. In the Western Periphery lexical lists, and in other genres as well, such an alteration is a prominent phenomenon (see Durand and Marti 2004: 4). In the Emar Sa Vocabulary the following alternations between hu-v and hu-v (e) can be found (see also Seminara 1998: 138):

```
/u/ \rightarrow /i/ \approx /e/:
                                                              ši-ib-bu <sup>23</sup>
(718′)
               Copy 2, iv 26'
                                               NIM
                                                                                      \leftarrow zubbu
                                                                                                                  'fly'
                                                                                      \leftarrow n\bar{a}butu^{24}
(625')
               Copy 2, v 34
                                               KAR
                                                              na-bi-tu4
                                                                                                                  'to flee'
/i/\approx /e/ \rightarrow /u/:
                                                                                        \leftarrow t\bar{e}liltu^{25}
               Copy 1, iii 45
                                               EL
                                                                                                                  'purification'
(253)
                                                              te-lu-ul-tu<sub>4</sub>
```

They can also be seen in the Emar Hh lexical list:

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/e/ \approx /i/ \rightarrow /u/:
542, 95´ še-še-bal šu-pu-ul-ti \leftarrow šupêltu '(barley) exchange'
545, 64´ íl-síg ha-am-bu-rù \leftarrow *habburu \leftarrow habbiru<sup>26</sup> 'loom-part'
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¹⁹ Pentiuc 2001: 76 suggested that the entry be understood as perhaps a kind of bird, possibly to be read as a whole as ^{mušen}ri-ZU-tu₄, with the first sign—HU—understood as a determinative. But HU cannot be a determinative here because mušen is always used as a post-determinative (see above, footnote 15). Neither does taking *hu-ri-ZU-tu*₄ as a 'bird-type'—Pentiuc's alternative suggestion—seem likely. As stated in n. 15, the HU section does not include the listing of various bird species. Sjöberg 1998: 248 no. 85 suggested as follows: '*h/hurīṣūtu* perhaps "desire", "eagerness".' He then provided the entry, which he regarded as a non-Akkadian or a West Semitic word (1998 241), with putative Arabic and Hebrew cognates.

²⁰ Seminara 1998: 153–4. This is also a common feature of the Ugarit lexical lists; see Huehnergard 1989: 115–8.

²¹ Another possibility worth considering is a metathesis of /r/ and the sibilant: $hu-ri-ZU-tu_4 \rightarrow hu-Zu-ri-tu_4 \rightarrow hu-Zu-ri$

²² The adjectival ending -ūtu is found at Emar as the feminine ending (although it is not obvious that this is the present ending before us); see Seminara 1998: 291. This is part of a wide-spread phenomenon in Western Peripheral Akkadian. Morphological markers are reduced to allomorphs, whereby the feminine and masculine markers merge to produce one morphological marker for both genders. See Huehnergard 1989: 147–8, 273–4.

²³ IGI = ši for /zi/ or /si/. Compare: (716') Copy 1, viii 24' NIM *zu-ub-bu* 'fly'

²⁴ Siöberg 1998: 273 no. 626'.

²⁵ Reading with the copy and Arnaud here; see AHw 1344 and Seminara 1998: 138 citing *Emar* 554, 21': [te]-li-il-tu₄; Sjöberg 1998: 258 no. 253 reads differently.

²⁶ Pentiuc 2001: 55.

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546, 9	(gi)-izi-lá	gi-zi-lu-u : šab-bu-ṭu	← šabbiṭu	'staff', 'torch'
551, 5	[muš-ú-nu]-mú-a	muš <i>ku-su-ba-ni</i>	<i>← kusipānī</i> or	'snake-species'
			kassibānī	
555, 30′	BAD ku ₆	nu-un tu-um [!] -ri	$\leftarrow timri^{27}$	'baked fish'

Entry i 23'

HU $na-p\acute{a}r-\breve{s}u-Zu$ $\rightarrow napar\breve{s}udu^!$

By correcting the last sign ZU to DU!, the entry can be read as *naparšudu*! 'to escape, flee'.²⁸ This word is not otherwise known to be equated with HU, but rather with ŠUB.²⁹ But the semantically close *naprušu* 'to fly' is equated with HU elsewhere in the lexical tradition.³⁰

THE HU SECTION OF THE BOĞAZKÖY SA VOCABULARY

The reconstruction of the Emar HU section offered above enables us to reconsider the HU section of the Boğazköy S^a Vocabulary recensions.

The HU section is found in two fragments from Boğazköy. The first is HT 42, which was edited in MSL 3. The second, which will be at the center of the discussion, is KBo 26.34 obv. (Figure 2). It was first published as 902/z by Otten and von Soden (1968: plate iii), who also presented a short discussion (1968: 39–41). It is rather poorly preserved. The Hittite column survived, but the Sumerian is entirely missing, and the Akkadian mainly lost.³¹ In spite of its poor state, Otten and von Soden were able to reconstruct the sequence of the Sumerian signs and identify the HU section, which has four fully intact Hittite entries. The entries will now be elucidated one by one.

Entry 12'

The Hittite word kar-ša-u-wa-ar is the verbal noun of the verb karš-, karšiya-, 'to cut', and hence translated as 'cutting'. What karš(a)uwar has to do with HU puzzled Otten and von Soden; their puzzlement can now be resolved.

In Hittite texts, the verb karš-, karšiya-, can be written logographically with the Sumerian sign TAR 'to cut'. As was seen above in the reconstruction of the Emar HU section, in the lexical tradition verbal forms in the G Stem equated with TAR (as has or kud) can be equated with HU when in the D Stem. Therefore, if Hittite karš(a) uwar 'cutting' is written logographically with TAR, it can also be equated with HU. The missing Akkadian equivalent is probably one of the first three entries of the Emar HU section, but any other Akkadian verb semantically related to cutting will do just as well. The verb $[hu-s\hat{u}-s]\hat{u}$ (Emar Sa, entry i 21') was restored here because the partly preserved sign in the Akkadian column, consisting of two horizontals, looks like [Z]U or $[s]\hat{u}$.

²⁷ Cf. Hh XVIII (MSL 8/2 101), 18.

²⁸ Following the suggestion made by Sjöberg 1998: 249 no. 86, and Arnaud (*Emar* 537, p. 12).

²⁹ An-ta-gál III (MSL 17 155), 151: RU^{min} -minRU = na-par-šú-du.

³⁰ The Assur S^a Vocabulary (MSL 3 55), 11′ and Ea II (MSL 14 259), 285 equate HU with *naprušu*. Note also RS 94.2939 (Salvini and Salvini 1998: 5), i 10: [HU] = *nap-ri-šu* (as pointed out by N. Veldhuis, personal communication). See also below, KBo 26.34, entry 13′.

³¹ Because the left hand side of the tablet is broken it is difficult to estimate exactly the width of the Akkadian column. The endings of entries which are preserved cannot serve as sure indications of its width, since sometimes signs are intentionally spaced out to the right, or justified, in order to 'fill in' the column.

³² The writing kar-ša-u-wa-ar may represent *karšuwar, with ša for /š/. Cf. KUB 24.7 i 55: kar!-šu-wa-ar (as pointed out by C. Melchert, personal communication), and the genitive form karšuwaš (cited in HED K 104). ³³ Otten and von Soden 1968: 40: 'Z. 12 kar-ša-u-wa-ar "schneiden" paßt nicht gut dazu…'.

³⁴ See HED K 100; Hoffner 2003: 622. This equation was already suggested by H. Ehelolf in 1936, as mentioned by Archi in the content-pages of KUB 52. Note KUB 52.101 ii 5': A-NA PA-NI ŠEŠ LUGAL ^dUTU-ŠI TAR-an versus iii 5: [A-NA P]A-NI ŠEŠ LUGAL ^dUTU-ŠI kar-ša-an 'removed/cut in front of the brother of the king, My Majesty.'

Entry 13'

[HU] [nap-ru-š]u wa-at-ku-wa-ar 'flying', 'fleeing', 'hiding'

Hittite wa-at-ku-wa-ar, from the verb watku-, 'to jump' was equated by Otten and von Soden with Akkadian [nap-ru-š]u 'to fly'. The Akkadian entry is equated with ḤU elsewhere in the lexical tradition.³⁵ In Boğazköy Diri Hittite watkuwar is equated with šaḥāṭu, which can mean 'to jump' but also 'to flee'.³⁶ Hence the semantics of watkuwar, šaḥāṭu, naprušu, and naparšudu (in the Emar section) overlap.³⁷ Hittite watkuwar is the only entry of the ḤU section to be found in the other Boğazköy fragment of this section, HT 42 obv. 3′.

Entry 14'

[\mbox{HU}] [ka-pa-d]u or kap-pu-u-wa-u-ar 'planning', 'reckoning', '(the) taking care of' [ku-pu-d]u

The verbal noun kap-pu-u-wa-u-ar 'counting', 'reckoning' is derived from the verb kappuwe-, kappuwai-, 'to count, reckon'. How is one to equate \mbox{HU} with the entry kappuwauar?³8 Here we should consider the reading of \mbox{HU} as pag. While \mbox{HU} as pag does not appear in the Emar S³ list, it does feature in the Assur S³ Vocabulary, as well as in other lexical lists. In SIG7.ALAN IV-IVa (MSL 16 81) the following are found: ³9

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ir-pag-ak-ak ka-pa-du 'to take care of (something)', 'to plan'
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Hittite kappuwe- can often mean, apart from 'to count, to reckon', also 'to take care of someone, something', as the multiple examples in *HED* K 66 show. Therefore, it is suggested here that when \mbox{HU} is read as pag it can be equated with Akkadian $kap\bar{a}du$ or kuppudu and, subsequently, to Hittite kappuwauar '(the) taking care of'.

Entry 15'

[HU] $[ez\bar{e}bu]$ šu-wa-iš 'abandonment', 'rejection'

The last entry was considered the Hittite word for 'bird' by Otten and von Soden (1968: 40 n. 2) because of its equation with HU. Their suggestion has been a point of controversy among Indo-Europeanists and Hittitologists, and so far no clear-cut consensus has been reached.⁴⁰ Ostensibly, the entry can be compared to the HU section of HT 42 obv. (MSL 3 55), 2´ and 4´: ⁴¹

1′	[ĤU]	[]	x-aš	?
2′	[ĤU]	[iṣṣūru]	ӉU-eš	'bird'
3′	[ĤU]	[naparšu]	wa-at-ku-ar	'flying', 'fleeing'
4′	[ĤU]	[iṣṣūru]	ӉU-eš	'bird'
5′	[HU+?]	[ritkub mušen(.meš)]	ӉU- <i>ŠÚ</i> ӉU ti-ia-u-ar	'the mating (lit., approaching)
				of birds' ⁴²

³⁵ See above: Emar S^a, entry i 23′.

³⁶ See Boğazköy Diri 6.2 (MSL 15 93–4), 10; cf. CAD Š/I 88. Cf. Beckman 1983: 110, where MUL wa-at-ku-zi is considered a calque on the Akkadian idiom kakkabu išhit (\rightarrow $šah\bar{a}tu$) 'a star has risen' (but not 'shimmered'; see CAD Š/I 91).

³⁷ It is probable that both $\check{s}ah\bar{a}tu$ and $napar\check{s}udu$ are equated with Sumerian \grave{e} 'to go out'; see Aa III/3 (MSL 14 337), 159: [e UD.DU] = $[\check{s}\acute{a}]$ -[tha]

³⁸ Otten and von Soden 1968: 40 remarked that '(w)as kap-pu-u-wa-u-ar "rechnen" in Z. 14 mit ḤU zu tun haben soll, ist auch unklar.'

³⁹ On the basis of these entries, perhaps restore the Assur S^a Vocabulary (MSL 3 54), 6a as follows: pa-ag $|HU|^r ka^1$ -[pa-du]. The restored $|Ka|^r [l\bar{\iota}]|^r$ to confine in MSL 3 is otherwise not equated with pag in the lexical tradition.

⁴⁰ This suggestion has found recent advocacy in Rieken 1999: 24–5; Rößle 2004.

⁴¹ Collated in the British Museum, 8 September, 2004.

⁴² Some compound sign of HU (like $U_5 = rak\bar{a}bu$ 'to ride') is expected in the Sumerian column. Consider,

However, it is clear that HT 42 and KBo 26.34 are not identical and in fact represent two divergent traditions of the HU section.⁴³ Hence the equation of su-wa-is with Akkadian $iss\bar{u}ru$ is not to be taken for granted, and other options are to be sought.

It is suggested that the form šu-wa-iš is an action noun in –ai,⁴⁴ derived from the verb šuwe-, šuwai- 'to push (away)', 'to reject', 'to abandon'.⁴⁵ The meaning of the word would then be 'abandonment', 'rejection'. If HU is to be read as pag, as suggested for the preceding entry, this suggestion becomes valid. Compare the Assur Sa Vocabulary (MSL 3 54):⁴⁶

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7a pa-ag HU e-z[i-bu]
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The verb $ez\bar{e}bu$ can mean 'to abandon', 'desert', and 'leave behind'. Hence it is semantically close to šuwai- and its suggested action noun, šuwaiš. The following example is illustrative of what is argued here. Compare the use of šuwai- and $ez\bar{e}bu$ in the meaning of 'to leave', 'to abandon', 'to divorce':⁴⁷

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The Hittite Laws (Hoffner 1997: 35), §26b+c: ták-ku LÚ-ša MUNUS-an šu-wa-a-[iz-zi ...] 'If a man divorce[s] a woman...'
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The Middle Assyrian Laws (Roth 1995: 166-7), §37: *šumma a'īlu aššassu ezzib...* 'If a man divorces his wife...'

Hence, šuwai- = $ez\bar{e}bu$ 'to abandon', 'to divorce' and šuwai š = $ez\bar{e}bu$ 'an abandonment', 'a divorce'.

The reconstruction offered here and the suggested meaning of šu-wa-iš are very tentative and might prove to be incorrect. However, they have the advantage of proposing a valid Hittite base for the word while taking the structure of the section more carefully into consideration, demonstrating that HU can take other meanings than just 'bird'. Should the Akkadian equivalent $ez\bar{e}bu$ not be accepted as the correct reconstruction, šuwaiš can still be understood to derive from šuwe-, šuwai-, and another Akkadian equivalent can be sought.⁴⁸

alternatively, perhaps KÍD, (which resembles a re-duplicated HU sign), that is equated to *ritkub iṣṣūrī* 'the mating of (two) birds' (CAD R 83). The Akkadian probably led to the Hittite translation of 'the mating (lit., approaching) of birds'. The Gt Stem is occasionally employed to translate reduplicated Sumerian verbs; see Yoshikawa 1979: 114.

⁴³ Therefore, the one-to-one comparison between HT 42 and KBo 26.34 proposed by Rößle 2004 offers no real solution to the problem. The ḤAR section of KBo 26.34 (see below) and that of another Boğazköy S^a Fragment, KBo 1.45 (MSL 3 53), also reveal considerable differences.

⁴⁴ Such as Hittite hu(wa)rt- 'to curse' → hurtaiš 'a curse', link- 'to swear' → linkaiš 'an oath', wašta- 'to sin' → waštaiš 'a sin', and so on (cf. HE 39). This may have been a productive pattern which enabled the formation of –ai resultative nouns. There is no problem equating an action noun to an Akkadian infinitive, as this telling example shows (Boğazköy Erim-huš [MSL 17 107]):

^{22&#}x27; KA-x-BAL da-bá-bu me-m[i-a]š 'word', 'speech'

⁴⁵ The Hittite Laws (Hoffner 1997: 51–2, 93–4, 35) §§43, 95, and 26, make it clear that the semantics of the verb šuwe-, šuwai-, move beyond 'to push away', and can include meanings such as 'to give up (a slave)' and 'to divorce'. The Hittite Laws OS manuscripts show the spelling šu-ú-iz-zi, with the later manuscripts having šu-ú)-wa-(a)-iz-zi (see Hoffner 1997: 244; Oettinger 1979: 293–8). The latter spelling is also found in the discussed entry šu-wa-iš, and it fits with the NH dating of KBo 26.34 (see Rößle 2004: 545 n. 1).

⁴⁶ The restoration of the Akkadian is virtually certain; see CAD E 416, lexical section.

⁴⁷ The meaning of *ezēbu* 'to divorce' is well documented in OB, MB, MA, Nuzi, and Alalakh sources; see CAD E 422; AHw 267.

⁴⁸ Consider šu-wa-iš 'abandonment', 'rejection', 'loss' and the Assur S^a Vocabulary (MSL 3 54), which has HU as pag equated wih *šutānuhu* 'to be dejected', 'to suffer', pa[šku] and $pušku (\rightarrow pašāku)$, 'pain', 'trouble', $et\bar{e}ru$ 'to take out, to take something from somebody (also 'to save'), and $ek\bar{e}mu$ 'to take away (by force)' \rightarrow 'a taking'.

Now that the \mbox{HU} section of the Boğazköy S^a Vocabulary has been elucidated, the entire col. i of KBo 26.34 can be presented.⁴⁹

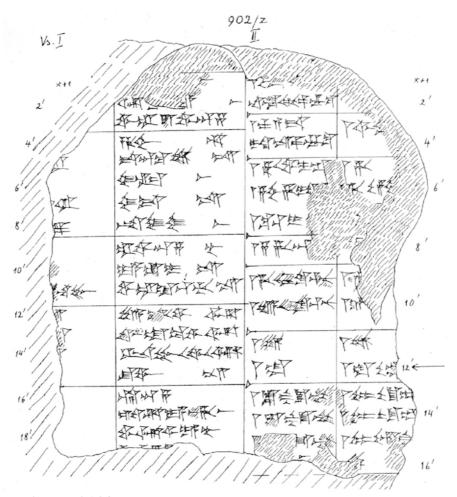


Figure 2: KBo 26.34 obv.

KBo 26.34, obv. i⁵⁰

1′	[ŠIR]	[]	[x-x-x]-aš	?
2′	[ŠIR]	[išku]	ar-k[i-i]a-aš	'testicles'
3′	[ŠIR]	[]	wa-al-lu-wa-an-	?
			za	
4′	[HAR]	[ḫašū]	ḫa-aḫ-ri¹	'lung'
5′	[ḤAR]	[še-mi-r]u	da-an-ku-li-iš	'bracelet'
6′	[ḤAR]	[ḫarru]	HUR.SAG-aš	'mountain'
7´	[ḤAR]	[ar-r]a-ru	ḫur-da-iš	'curse'
8′	[ḤAR]	[e-ru]- ^r ú¹	^{NA4} KÍN.KÍN-aš	'grindstone'
9′	[UḤ]	[kišpū]	al-wa-an-za-tar	'witchcraft'
10′	[UĤ]	[ru'tu]	ia-ú-i-iš	'bodily fluid'
11′	[UĤ]	$[\ldots]$ (-) $na^{?}$ - bu	wa-al-la-an [!] -ti-iš	?
12′	[ĤU]	[hu-ṣú-ṣ]ú	kar-ša-u-wa-ar	'cutting'
13′	[ĤU]	[nap-ru-š]u	wa-at-ku-wa-ar	'flying', 'fleeing'

⁴⁹ Column ii of the tablet contains only the sign names and their pronunciation and is not given here.

⁵⁰ Collated from the photograph of the tablet in the Mainz Academie Boğazköy Archiv, 17 October, 2005.

1	0
1	х

14′	[ĤU]	[ka-pa-d]u / [ku-pu-d]u	kap-pu-u-wa-u-ar	'taking care of', 'reckoning', 'planning'
15′	[ĤU]	[ezēbu]	šu-wa-iš	'abandonment', 'rejection'
16′	[MÙŠ×A]	[kuṣṣu]	MÙŠ×A-an-za	'winter'
17′	[MÙŠ×A]	[nâḫu]	ta-ri-ia-aš-ḫa-aš	'tiredness'
18′	[MÙŠ×A]	[pašāḫu]	wa-ar-ši-ia-tar	'respite'
19′	[MÙŠ×A]	[]	X-X-X-X	?
Break				

2': The restoration of the Hittite, in spite of the gap, is almost certain. The Sumerian and Akkadian are restored on the basis of the fact that the ŠIR sign preceeds ḤAR, as the Emar S^a Vocabulary now shows. See Emar S^a, Copy 1 (*Emar* 537 12):

See Sjöberg (1998: 245 nos. 49–50). The verification of the meaning of arki- 'testicle(s)', formerly derived on the basis of comparative Indo-European and context (see *HED* A 142) can now be based on lexical data. Note ar-ki-i-e-eš 'testicles' (nom. pl.) cited in HW² 307; in this entry the word displays a plural ending in -iyaš, which is typical of NH, alongside the ending in -ieš; see Melchert (1995). The sign ŠIR is employed in Hittite texts to denote the male gender of animals; see Kümmel (1967: 130–1). Compare Aa VIII/4 (MSL 14 511):

89 ŠIR
$$zi-k[a-ru(?)]$$
 'male'

Whether such an entry is to be restored in the broken lines of this section is not known.

5': The equation of dankuli- with 'tin' by Laroche (1966: 180) was accepted by Otten and von Soden (1968: 17 40) and since, throughout the scholarly literature. However, it is open to doubt. The equation was made on the basis of the trilingual RS 25.421 (= *Ug*. 5.169, *Signalement Lyrique*, 313, 773), 21: [har-an-na] | *ši-me-er an-na-ak-ki* | da-an-ku-li-iš ar-ši-x[...] 'bracelet of tin' (see also Civil 1964: 2–3 1. 27). The Emar and Ugarit Sa Vocabularies show, however, that HAR = *š/semiru* 'bracelet' (CAD S 219; see also Cohen 2002).

Therefore, if dankuliš is equated to [ḤAR] in KBo 26.34, the Akkadian is probably to be restored as [še-mi-r]u, which indicates that the Hittite word means 'bracelet'. (The last preserved Akkadian sign can be taken as the end of the sign RU). The Hittite word for 'tin' possibly lies then in the obscure ar-ši-x[...] found in the trilingual RS 25.421. The same conclusion was reached independently by Soysal (2006), who also showed on the basis of additional evidence that the Hittite word for 'tin' is arzili-.

6': The Hittite translation is a result of a mistaken equation which arose because of the confusion between two homophones. Notice the following entry from the Emar S^a Vocabulary, Copy 1 (*Emar* 537 12):

The word *harru* means 'flour ground in a special way' (see CAD H 114); cf. Aa V/2 (MSL 14 419), 188: HAR = *ha-ra-[ru]*, and CAD H 92: *harāru* C 'to grind'. The entry is obviously connected to the well-known equation of HAR with *ararrum* 'miller' and the other grinding terms found in the HAR section. However, in KBo 26.34, this entry may have been confused with *harru* 'a topographical feature', 'a watercourse', or even with West Semitic *harru* 'mountain' (see CAD H 114–5), which resulted in the Hittite column having HUR.SAG-aš. (This confusion might have already risen before the list reached Hattuša; see CAD H 92.) The lexical tradition does not equate HAR with HUR.SAG or *šadī* 'mountain'. (Correct Cohen 2002: 825 40: *ha-ar-ru* 'watercourse' to 'ground flour'; the former translation was based on Sjöberg 1998: 246 no. 64.)

7': The equation was made on the basis of the mistaken understanding of the entry *ararrum* 'miller' as the near homophone *arārum* 'to curse'. The same mistaken equation is found in KBo 1.42 (MSL 3 53), 2', 6' (see also CHD P 1–2).

9': See the Boğazköy Sa Vocabulary, KBo 1.45 obv. (MSL 3 Frag. b, 53):

8' [UH] $[ki\bar{s}p\bar{u}]$ al-wa-an-za-tar 'sorcery'

Compare Emar S^a, Copy 1:

i 46 UH ki-iš-pu

10': If this entry is connected to the *Glossenkeil* (Luwian) word i-ia-u-wa-an appearing in KUB 30.33 obv. 9' and KUB 8.38+ (= Bürde 1974: 30), as cautiously suggested by Melchert (1993: 273), it might be translated as spit or some other kind of bodily fluid. The word i-ia-u-wa-an is mentioned in both of these attestations with, and seems to be semantically related to, išḥaḥru 'tears' (see CHD L–N 202). Cf. Boğazköy Sa Vocabulary KBo 1.45 obv. (MSL 3 Frag. b, 53):

9' [UḤ] [ru'tu] iš-ša-al-li 'spittle'

11': Melchert (1993: 250) translates this word as (Luwian) 'fit', 'capable', following Starke (1990: 452). At present, no better suggestion can be offered, although what this has to do with the UḤ sign is not clear. The little that survives in the Akkadian entry ([...](-)na-bu) does not seem to follow any known Akkadian entry for UḤ from other lexical sources.

16': MÙŠ×A-an-za is read thus by Otten and von Soden (1968: 40), according to which HT 42 (MSL 3 55), 8'-13' is also to be read. Cf. entries 16'-17' of Diri III (MSL 15 141-2), 113-19. The reason why the sign MÙŠ×A is written here and not the sign RI, as is the case in the other Sa Vocabularies, may depend on the visual resemblance of MÙŠ and RI, at least in the OB period (see Borger 2004: 282 no. 142, 284 no. 152). This could mean that the Boğazköy Sa Vocabulary follows a tradition which retained the sign MÙŠ, while the Emar, Ugarit, and the Assur versions gave only the entry RI. It is not known which was the original entry, or whether both were included in the lexical tradition side by side until only RI was kept. The sign MUŠ×A, at any rate, should now be included in the MSL 3 reconstruction of the Sa sign-sequence. For the sign MÙŠ and its original meaning, see Steinkeller (1998).

17′–18′: The similar antonym pair, tariant- 'tired', 'exhausted' and waršiant- 'rested', appear in Hittite rituals and prayers; see Torri (2003: 220–1). The Hittite scribes elsewhere used the sign MÙŠ×A to write the verb waršiya- 'to be at peace, satisfied'; see HZL 103 no. 27; HW 294.

CONCLUSION

The Ugarit, Assur, and one of the Boğazköy S^a Vocabularies (HT 42), all equate HU, or mušen, with Akkadian $i\bar{s}\bar{s}\bar{u}ru$ 'bird'. This equation is missing, however, from the HU section of the Emar S^a Vocabulary and, very likely, from KBo 26.34. What the Emar S^a Vocabulary and KBo 26.34 do have in common is the association of HU with verbs of cutting. We found four semantically related Akkadian entries for 'cutting' in the Emar list, and one in the KBo 26.34. The fact that the entries in the Emar list are proper Akkadian verbal forms makes it unlikely that this section was a local innovation, but rather part of the transmitted Mesopotamian lexical tradition, which can also be traced in the Boğazköy recension.

The association between ḤU and verbs of cutting seems to have vanished in the Assur recension of the vocabulary, at least on the basis of the extant evidence. However, the entry *naparšudu*' in the Emar list, *naprišu* in RS 94.2939, and watkuwar in both Hittite versions find an echo in the Assur recension, which has the entry *naprušu*. And the restored equations of Hittite kappuwar with [kapādu] or [kuppudu] and šu-wa-iš with [ezēbu] suggest that the reading of ḤU as pag is attested in the Boğazköy recension. Such a reading of ḤU is also known in the Assur recension, in which eleven Akkadian entries are equated with pag.

The discovery and study of the Emar S^a Vocabulary challenged the reconstruction of the sequence and number of signs of the vocabulary as given in MSL 3, and supplied us with both signs and Akkadian entries that were hitherto unknown. We can now talk of different strands of lexical tradition in the S^a Vocabulary, not of one unified and consistent version present in all contemporary manuscripts from the various Western Periphery sites. In this light, it is appropriate to reassess two claims ever present in the discussion of the Western Periphery lexical lists: namely, that the Emar lexical lists abound with West Semitic terms, and that the Western Periphery lists, especially the ones from Boğazköy, display a poor understanding of the Sumerian and Akkadian entries. Not every unrecognized entry should automatically be assigned a West Semitic origin and, equally, not every seemingly 'wrong' equation should always be dismissed as a misunderstanding on the part of the local scribes (Cohen forthcoming). Our state of knowledge of the lexical tradition with its branches and offshoots, especially during the Middle Babylonian period, is simply too wanting to state such claims without proper caution.

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