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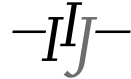
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A Fall into the Pit

Remarks on Tocharian B *koško*, *koškīye*

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Abstract

This paper argues that Tocharian B *koško*, *koškīye* does not mean ‘hut’, as was taken for granted, but ‘pit, hole’; and that it is not an inherited Indo-European word, but an Iranian loanword in Tocharian B. Although the possibility of a borrowing from an unknown Middle Iranian language cannot be excluded, an unattested (Pre-)Bactrian form **kōškā* is demonstrated to be the most likely source of this loanword.

Keywords

Tocharian – (Pre-)Bactrian – Middle Iranian languages – language contact – Tarim Basin – Central Asian Buddhism – fire-pit

The Tocharian B (henceforth TochB) feminine noun with the two forms¹ *koško* and *koškīye* (nom.sg.) has been taken to mean ‘hut’ following Sieg (1943: 134). To the best of our knowledge, this meaning has been almost unanimously accepted in the field of Tocharology.² Regarding its etymology, it was first pro-

1 On this type of TochB feminine nouns (with a variation in the nom.sg. between *-o* and *-īye*), see below Section 2.2.2.

2 See Adams (2006: 397): “Tocharian B has a feminine noun *koškīye* (acc. sg. *koškai*) ‘hut’. The meaning is not assured by any translation equivalence but is surely correct.”

posed by Van Windekens (1972: 46), followed by Adams (1999: 206) and Tremblay (2005: 434), that this word is derived from a Western Middle Iranian word (Tremblay suggests Parthian) **kōšk*; cf. Pahlavi and New Persian *kōšk* ‘pavilion, mansion, manor’, which was borrowed into Turkish and then into various European languages, such as German *Kiosk*, French *kiosque*.

We argue in the present article that the meaning ‘hut’ cannot be maintained for the Tocharian lexeme, contrary to previous suggestions. In Sections 3 and 4, we endeavour to establish the etymology of the Tocharian word.

1 Tocharian Occurrences

Before delving into the meaning of this word more deeply, we list all the passages in which it occurs, with received English translations as available:³

- a. TH100 (classical) a3 /// – rā – – arwāts awīšāšše au(rtseša pitka o)rotsai **koškai** yāmtsi kr_ui tā_u še sleme tatākausai

“(Order) to make a big **hut** of wood the size of the Avīci. If ... this (hut), which has become one blaze ...”⁴

TH100 (classical) a4 /// – mrauskāššeñcai empelyai pwārššai **koškain**(e yaptsi campalle) tākat ta ñiś tañ pañaktāññe ślauk⁵ aksau ka

Peyrot (2013: 312): “If you are (able to enter) this horrible fire **hut** that makes [you] feel aversion, then I will recite your Buddha strophe.”

TH100 (classical) a5–6 [...] kāšši snai nerke yānmaskau pwāršai **koškaine** – – – (puwa)rne nauš yopu mā špā akālkā knelle star-ñ pañaktā(ññe śloksa) lareṃ pelaikne klyautsi pelaikne klyauštsi nauš pete-ñ tak(arškeṃ palskosa) ///

3 The emphases in boldface are ours unless otherwise indicated.

4 See Couvreur (1954: 105f.): “(Gelast) een (g)rote **hut** uit hout (*arwāts*) (in) de omvang van de *avīci* te bouwen. Gesteld dat ge (in staat) zijt (in) deze (hut), die een vlam(menzee) is geworden, ... [...] (in te gaan) [...]”.

5 This is a hypercorrection by the scribe, as it stands for *ślok*.

Peyrot (2013: 316): “(a5) Teacher, without hesitation I enter into the fire **hut** ... (but) if I enter into the fire first, my wish (a6) to hear⁶ the dear law with a Buddha-strophe cannot be fulfilled. First give me the law to hear (with faithful mind)!”

- b. IOL Toch 88 a6 /// – (sä)lpamñai koṣkaine yo(p)· ///

‘[...] (If) I enter (*yopu) in the brazen **hut**(?)⁷

- c. PK AS 8C (classical) a5–7 [...] || kete ā(ñm)e (t)ākaṃ lāntāmpa larauwñe y(ā)mtsi · rājavṛkṣā stamatse arwāmem koṣkīye yamaṣṣya · sāñcapo ṣukt lykwarwa nāssait yamaṣṣya · pūwarne hom yamaṣṣya · lānte rinale parkalle māsketrā 1 || kṣatriyempa larauñe yāmtsi āñme (tā)kaṃ-ne (śā)ḷsana arwāts koṣkīye yamaṣṣya · ṣalype wai kuñcit pūwarne hom yamaṣṣe · kṣatriyets lāre māsketrā 2 ||

Pinault (2014: CEToM): “[If] one has the desire to make friendship with the king, one [has] to make a **hut** from branches of a Cassia fistula tree [= Skt. *rājavṛkṣa*, lit. ‘king’s tree’], one [has] to cast [lit. make] a spell seven times on *Dalbergia sisu*, one [has] to put [lit. make] it as an oblation into the fire, [and] one becomes worth to be searched for and asked by the king. [If] one has the desire to make friendship with a noble warrior, one [has] to make a **hut** of branches of the Śāla tree. Oil [and] sesame [have] to be put [lit. made] as an oblation into the fire, [and] one becomes dear to the noble warriors.”⁸

- d. THT 255 (archaic) a3–5 collated with THT 254 (archaic) a2–3 in minuscule

[...] ket ṣāñ skwānma ma takam / su alyekmem yaskāstrā /
///nmā mā tākam su alyekmem ya///

6 For *klyauṣṭsi*.

7 Our translation. Since it is unclear what follows *yo* it could also be restored as *yop*[*t*] or *yop*[*ām*] (2sg and 3sg respectively). It is also unclear whether it is a future or a conditional (‘If I would enter’ or ‘I will enter’).

8 For an earlier French translation of the this passage, see Filiozat (1948: 102): “[Si] il y a pour quelqu’un le désir de faire amitié avec le roi, [des] **fağot**[s] de bûches de tronc de cassie sont à faire, [des] *Dalbergia Sisoo* sont à incanter sept fois, [les] oblation[s] de tout cela] sont à faire dans le feu; le roi à quitter devient sollicitable. [Si] il y a pour quelqu’un le désir de faire amitié avec un guerrier, [des] **fağot**[s] de bûches de ... sont à faire, de l’huile de sésame est à donner en oblation dans le feu; il devient ami par rapport au guerrier.”

yaṣu skwänma ket pälsko / kärwa=skwänma ma skwänma :
 /// .u skwänmä ket – lsko – rw.ts skw. – – skw.nmä :
 koško räšäm taršitse / tsätko tsätkwam enkästrä /

ruṣä-pälsko še=klyeñkrä / skwätse laute mā nesäm 8 [...]

[...] /// lsko še=klyeñrä skwäntse laute mā nesäm 8

metre: 4 × 7/7 (Sieg & Siegling 1953: 155)

Adams (2006: 398f.): “Whoever does not have his own fortune (plural in Tocharian), he begs from another. Begging [is] fortune; to whom [is] the thought, ‘the fortune of reeds (reeds metonymic for beggars’ canes) [is] not a fortune.’ He (= the one who had the thought) spreads/covers the reproach; he grasps the error of deception [lege: taršī[n]tse] erroneously.⁹ The rough-in-mind is always in doubt [lege: klyeñkrä]; there is no opportunity for good fortune [lege: skwä[n]tse].”

2 TochB koško/koškīye Revisited

2.1 Parallels

Occurrence b. is too fragmentary to give any verifiable clues about the original context. Therefore we temporarily leave it out of the present discussion. All the other occurrences have been subject to multiple previous studies, to which we are greatly indebted. Sieg & Siegling (1953: 34) identified parallels to Occurrences a. in the *Avadānaśataka* and the *Bodhisattvāvadānakalpalatā*, which they knew well and utilized for the decipherment of the Tocharian fragments. Filliozat (1948: 102, n. 4) should be credited with the identification of the parallel to Occurrence c. in the *Mañjuśrīyamūlakalpa*, which informed his French translation to a certain extent. Following in the wake of the aforementioned scholars, we base our translation of the two occurrences upon the parallels identified by them, which we contextualize, cite, and translate below; but our interpretation of the word in question differs from theirs for different reasons. In the case of Occurrence d., previous scholars such as Lindeman (1969: 170 ff.), Schmidt (1974: 241), Hackstein (1995: 118 ff.), and Adams (2006: 398f.) have proposed various interpretations. But no direct parallel has been identi-

9 For an alternative translation of this line, see Schmidt (1974: 241): “Wenn **eine Hütte** die Verkehrtheit eines Betrugers (?) bedeckt, [so] wird [das] als verkehrt aufgefasst.” Similar to Hackstein (1995: 120): “Verdeckt **eine Hütte** die Verkehrtheit eines Betrugers (?), so wird es [der Betrug] verkehrt aufgefaßt [d.h. nicht erkannt].”

fied so far. Based on the new meaning established for Occurrences a. and c., we venture below a new hypothetical interpretation by way of an excursus. It must be stressed that, in doing so, we are not building the whole argument on Occurrence d., whose context remains obscure for want of parallel.

2.1.1 Skt. *agnikhadā*

Occurrences a. are part of the story of Subhāṣitagaveṣin or Dharmagaveṣin, who, as his name indicates, was longing for Buddhist teachings. In order to acquire a single strophe from a demi-god (*guhyaka*) or ghost (*yakṣa*), he spared no expense, not even his own life. The story has come down to us in a Sanskrit version incorporated into the *Avadānaśataka*, which is preserved in its entirety in later Nepalese manuscripts. In the *editio princeps* of this text by Speyer (1902: 220), the counterpart of the Tocharian passage in question reads as follows:

[...] tato guhyako rājānam uvāca yadi yad bravīmi tan me kariṣyasi evam aham api yad ājñāpayiṣyasi tat kariṣyāmīti | rājovāca: kim ājñāpayiṣyasīti | guhyaka uvāca saptāhorātrāṇi khadirakāṣṭhair **agnikhadāṃ** tāpayitvā tatra yady ātmānam utrakṣyasi tatas te 'haṃ punar gāthāṃ vaksyāmīti | tacchravaṇac ca rājā prītanāś taṃ guhyakam uvāca evam astv iti | [...]

“Then the demi-god spoke to the king (= Dharmagaveṣin): ‘If you do something for me as I say, so I will also do as you command.’ The king said: ‘What will you command?’ The demi-god said: ‘If, having set a **fire-pit** ablaze with pieces of the *Acacia catechu* wood (*khadira*) for seven days and nights, you throw yourself in there, then for you I will recite the verse (*gāthā*) again.’ After hearing that the king, with a delighted mind, spoke to the demi-god: ‘So be it!’”¹⁰

10 See also the French translation by Feer (1891: 147): “Alors, le Guhyaka dit au roi: ‘Si tu fais pour moi ce que je te dirai, moi à mon tour, j’exécuterai tout ce que tu me commanderas.’ Le roi répondit: ‘Que m’ordonnes-tu?’ Le Guhyaka dit: ‘Entretiens un **brasier** pendant sept jours et sept nuits avec du bois de Khadira (*mimosa catechu*), puis ensuite jette-toi toi même (dans ce brasier); alors je te dirai encore des stances.’ En entendant ces paroles, le roi rempli de joie dit au Guhyaka: ‘Qu’il en soit ainsi!’” For an alternate English translation see Appleton (2014: 25), which shows no significant difference from ours apart from her translation of *agnikhadā* as “fire in the stove”. While Feer’s “brasier” must be understood as a loose translation of *agnikhadā*, Appleton’s “stove” might be based on a folk-etymological association of *-khadā* with the verb *khād-* ‘to eat’. The etymology of Skt. *khadā* ‘hole, pit’ is unclear (EWAia s.v.).

Although no Sanskrit fragment of this story has yet been identified in the Turfan collection, fragments of the *Avadānaśataka*, albeit in an epitomized form, seem to have circulated in Central Asia from the 5th to the 8th century.¹¹ Another recension of the same story is testified to by two earlier Chinese translations, which seem to differ from the *Avadānaśataka* and its kin to a significant extent.¹² Ogihara (2015: 306) has discerned idiosyncratic traits of the present Tocharian version, which suggest a genetically intermediate status between these two recensions. Despite their differences, both of the recensions agree that the protagonist jumped into a fire-pit rather than a fire-hut.¹³ A separate, probably later tradition, according to which the protagonist jumped off a dreadful precipice, emerged around the 10th century and enjoyed popularity in Khotan and Tibet.¹⁴ However, there is no trace of any influence of this tradition in the Tocharian sphere.

It is surely to the credit of Sieg & Siegling that TochB *pwārṣṣai koṣkai-* was for the first time identified with Skt. *agnikhadā*, hence the equation of TochB *koṣko/koṣkiye* with Skt. *khadā*. While this identification is beyond doubt, we beg to differ from Sieg's decision (1943: 134) to render Skt. *khadā* as "Hütte" for the reason specified below under Section 2.2.1. To our knowledge, no scholar prior to Sieg had interpreted this compound in the context of this narrative as 'fire-hut'.

2.1.2 Skt. *agnikuṇḍa*

Occurrence c. apparently belongs to a magical text containing what is known in the Indian traditions as 'homa rites' (TochB *hom*), i.e., burnt offerings made either to deities or for specific purposes. The passage makes it explicit that the *homa* rites in question are aimed at forging associations with the king or noble warriors (*kṣatriya*).¹⁵ These should be subsumed under the category of

11 On the Central Asian Sanskrit fragments, see Demoto (2006: 207–244).

12 For a detailed comparative survey, see Demoto (1998: 127 f).

13 Cf. Chin. *huokeng* 火坑 'fire-pit' (**Avadānaśataka* by Zhi Qian [3rd cent.]; ed. T.200, 4.220a9) and *da huokeng* 大火坑 'big fire-pit' (*Sūtra of the Wise and the Foolish* [5th cent.]; ed. T.202, 4.350c24). See also Tib. *me dong* 'fire-pit' (*Kṣudravastu* of the *Mūlasarvāstivāda-Vinaya* [Peking Kanjur, 'Dul ba, de 166b4]; ed. Suzuki 1958: vol. 44, 68).

14 Cf. Khot. *śau śilo dā udiśāyā yakṣā eha uysānā diṣṭai gara-trraikhāna ṣṭāna* "For the sake of one *śloka*, into the mouth of the *yakṣa*, you threw yourself from the peak of a mountain" (verse 36 of the *Jātakastava* [10th cent.]; ed. Dresden 1955: 426); Skt. *śrīṅgād girer asya yadi svadeham* [...] *kṣipasi prasahya* ' [...] if you immediately throw your own body off the peak of the mountain' (verse 53.40 of the *Bodhisattvāvadānakalpalatā* by Kṣemendra [11th cent.]; ed. Straube 2009: 157). For the reception of this tradition in Tibet, see Tucci 1949: 493, plate 116.

15 Pinault (2014: CEToM) renders TochB. *larau(w)ñe yām-* as 'to make friendship'; see also

subjugating others by means of charms (*vaśīkaraṇa*) so as to win their love or reverence. Although this magical action (*vaśī-kar-*) is otherwise rendered into Tocharian more literally (TochB *ekalyimi/ekalmīyām-*), there can be little doubt that the rituals in question deal with a specific situation of the same category. A comparable parallel is found in the *Amoghapāśakalparāja*, a scriptural compendium of Esoteric Buddhist rites no later than the 7th century CE:¹⁶

rājavṛkṣa-samidhānām kuryāc chatapuṣpa-śatāvārī-pattaṅga-candana-sarṣapa-yava-ghṛtāktānām ekaviṃśati āhutīs trisandhyaṃ divasāni sapta mahārājā vaśī-bhavati sāntaḥpuraparivāraḥ / [...]

kuryāc ch-] *kuryā ś-* Ms. *-pattaṅga-candana-sarṣapa-*] *-pataṅga-candanam sarṣapam Ms. āhutīs trisandhyaṃ*] *ahuti tṛsandhya Ms. mahārājā vaśī-bhavati*] *mahārājām vaśīkaraṇam bhavati Ms.*; em. after Tib. *dbang du 'gyur ro. sāntaḥpuraparivāraḥ*] *śāntaḥpuraparivārā bhavanti Ms.*; em. after Tib. *rgyal po btsun mo'i 'khor dang bcas pa.*

“One should make twenty-one oblations [with fire] of fuel-sticks of the *Cassia fistula* wood, besmeared with clarified butter [with the addition of] seeds of *Anethum Sowa*, *Asparagus Racemosus*, red sandalwood, sandalwood, mustard seeds, and grains of barley—three times daily (i.e., at dawn, noon, and eventide) for seven days; [then] a great king, together with women of his harem and his retinue, becomes subject [to one’s charm].”

A somewhat similar ritual action is prescribed in the *Mañjuśrīyamūlakalpa*,¹⁷ a veritable “encyclopaedia” (Przyluski 1923: 301) of Indian Esoteric Buddhism whose contents are quite heterogeneous in character:¹⁸

Meunier (2015: 29, n. 46): “*lier amitié*”. This is not off the mark, but it is also possible to construe the semantics of this collocation more broadly as ‘to associate with, have dealings’, especially in light of TochB *lāre yām-* which translates Skt. (*upa-*)*sev-*; see SWTF s.v. *upa-sev-* “Umgang haben mit (acc.)”, *sev-* “Umgang pflegen mit (acc.)”.

- 16 The Skt. text is adapted from the transcription by Kimura et al. (2000: 60 [= 313]) with substantial emendations based on the Tibetan translation (*Amoghapāśakalparāja* [Peking Kanjur, rGyud, *ma* 82a2–3]; ed. Suzuki 1956: vol. 8, 35). See also T.1092, 20.268b23–25 for the Chinese translation.
- 17 On the date of the *Mañjuśrīyamūlakalpa*, see Matsunaga (1985: 882–894). With regard to the title of this work, we follow Delhey (2012: 70f). Although there is no unambiguous date of the Skt. text in its entirety, a *termini ante quem* can be set up for three chapters thereof. For a succinct summary of Matsunaga’s findings see Sanderson (2009: 129, n. 300).
- 18 This passage is contained in the last chapter of the Sanskrit text, which finds no parallel

rājavṛkṣa-samidbhir agniṃ prajvālya lavaṇamayīm pratikṛtiṃ kṛtvā śīrād
 ārabhya ekaikām āhutiṃ saptābhimantritām yāvac caraṇāv iti nāmaṃ
 grahāya aṣṭasahasraṃ juhuyāt / rājā vaśī-bhavati / [...]

vaśī-bhavati] *vaśo bhavati* Ms.

“One should kindle a fire with fuel-sticks of the *Cassia fistula* wood, make an effigy of salt, and offer eight thousand times each [part of the effigy as] an oblation, which is made sacred by a mantra seven times, with¹⁹ [its] name—from head to feet; [then] a king becomes subject [to one’s charm].”²⁰

Despite minor discrepancies, both parallels agree that *Cassia fistula* (*rājavṛkṣa*) or the like is used as fuel-sticks (*samidh*) to make a fire for oblations, while nothing similar to a hut is mentioned. Based on the parallel in the *Mañjuśrīya-mūlakalpa*, Filliozat (1948: 102, 117) suggested to render *koṣkīye* as “fagot”, i.e., ‘bundle of fuel-sticks’. This might sound a bit odd, since “fagot” in French usually designates an assembled bundle which is not necessarily set aflame, rather than a burning bundle. Filliozat’s idea has not found wide acceptance, and was rightly rejected by Sieg (1954: 81) who substituted it with “Hütte” on the basis of the aforesaid equation with Skt. *khadā*. This equation, as acknowledged above, is well grounded, but we take leave to doubt the meaning ‘hut’, which, as discussed below under Section 2.2.1., is perhaps not the best way to render Skt. *khadā*, particularly in the compound *agnikhadā*.

Filliozat’s “fagot” does not fit in with Occurrences a.; but he was, to our mind, not wide of the mark, insofar as the parallels adduced above apparently speak of the making of a fire, into which oblations are to be offered. In such a context, the thing to be made cannot be segregated from the locus where the fire is placed. The practice of placing the fire kindled for the performance of *homa* rites in a hole or pit (*agnikuṇḍa*) is attested for the first time in some Vedic texts belonging to the *Gr̥hyapariśiṣṭa* level, which were composed no later than the 5th century CE (Gonda 1980: 175, 233). It was probably through this tradi-

in Tibetan or Chinese; see (Gaṇapati Śāstrī 1925: vol. III, 680). Therefore, there is no textual evidence for the present ritual practice prior to the 11th century.

19 For the use of the Hybrid Sanskrit gerund *grahāya* as a postposition meaning ‘with’, see BHS: 172, § 35-19.

20 See also the French translation by Filliozat (1948: 102, n. 4): “Après qu’ on a allumé le feu avec des brindilles de cassie, fait une figurine de sel, on doit verser [huit] mille fois chaque oblation sept fois incantée, de la tête aux pieds, en ayant capté le nom; le roi devient soumis.”

tion that the same practice was further developed in the *Purāṇas* and adopted by Esoteric Buddhism and Śaivism.²¹ In this context, Skt. *kuṇḍa* is used in the sense of ‘pit, hole in the ground’ [PW s.v.].²² The construction of the fire-pit, a ritual act almost always designated by the Skt. collocation *agnikuṇḍaṃ kar-* ‘to make a fire-pit’, is prescribed in great detail in Chapter 14 of the *Mañjuśrīyamūlakalpa*, which also elaborates on the types of wood and other materials to be used, number of oblations, etc. (Lewis & Bajracharya 2016: 307). Therefore, it may not be far-fetched to argue that the Tocharian passage under discussion also prescribes the making of a fire-pit using *Cassia fistula* or the like, whose wood serves as fuel-sticks rather than as timber for building a hut. Considering this ritual background, we propose the following translation of Occurrence c.:

PK AS 8C (classical) a5–7 [...] || kete ā(ñm)e (t)ākaṃ lāntāmpa larauwñe y(ā)mtsī · rājavṛkṣā stamatse arwāmeṃ koṣkiye yamaṣlyā · śāñcapo ṣukt lykwarwa nāssait yamaṣlyā · pūwarne hom yamaṣlyā · lānte rinale parkälle mäsketrä 1 || kṣatriyempa larauñe yāmtsi āñme (tā)kaṃ-ne (śrīpha)ḷṣana arwāts koṣkiye yamaṣlyā · ṣalye wai kuñcit pūwarne hom yamaṣle · kṣatriyets lāre mäsketrä 2 ||

“1. One who has the desire to associate with a king should make a [fire-]pit out of pieces of wood of a *Cassia Fistula* tree, cast a mantra on a mustard seed (*sarṣapa*)²³ seven times (*saptābhimantrita*), and put it as an oblation into the fire; [then] one is to be searched out and asked for by the king. 2. If one has the desire to associate with a noble warrior, one should make a [fire-]pit [out] of pieces of the *Aegle marmelos* wood,²⁴ and put oil and sesame [seeds] (*taila-tila*) as an oblation into the fire; [then] one becomes dear to noble warriors.”

21 See Einoo (2005: 20–23). It is of interest to note that, according to the *Atharvavedapariśiṣṭa*, a special type of fire-pit in the shape of a half-moon should be constructed for the performance of the *homa* rites of subjugation (*vaśikaraṇa*); see Einoo (2005: 23).

22 Semantically speaking, there is no big difference between Skt. *kuṇḍa* and *khadā*, insofar as both designate ‘pit’ if compounded with *agni-* ‘fire’. Skt. *kuṇḍa* is more often used as a ritual technical term in reference to the fire-altar in the ground.

23 On TochA/B *śāñcapo* ‘mustard (seed)’ rather than ‘*Dalbergia sissoo*’ (*śiṃśapā*), see Bernard & Chen (forthcoming).

24 Pinault (2014: CEToM) restores (*śā*)ḷṣana ‘of the Śāla tree’, after Sieg (1954: 81). This is philologically possible, but a bit problematic from the liturgical perspective, insofar as the Śāla tree (i.e., *Vatica robusta*) is rarely used as firewood in Buddhist Tantric texts. For this reason, we opt for an alternate restoration (*śrīpha*)ḷṣana ‘of the Bulva tree (i.e., *Aegle marmelos*)’, another species of wood whose use in *homa* rites is relatively well borne out by textual evidence.

2.1.3 Skt. *aṅgārakarṣū*

Occurrence d. is the 8th stanza of a poem in TochB, which is in all likelihood an indigenous composition. This poem is written in a learned style, replete with allusions to (para-)canonical literature. It is thus almost impossible to fully make sense of the poem without pinpointing the pool of literary sources it draws upon. In the case of the present stanza, we tentatively argue that its purport is one of the four delusions (*viparyāsa*) in the confused mind of sentient beings,²⁵ i.e., taking what is painful (*duḥkha*) as pleasurable (*sukha*). This delusion is, albeit implicitly, illustrated with two metaphors of canonical origin, i.e., reeds and a ‘charcoal-pit’, if our interpretation of *koṣko* is approximately correct.

The image of reeds occurs, for instance, in a short scripture on craving (*trṣṇā*) belonging to the Pāli *Aṅguttara-Nikāya* (ed. Morris 1888: vol. II, 211f.):

Taṇhaṃ vo bhikkhave desessāmi jāliniṃ saritaṃ visaṭaṃ visattikaṃ yāya
ayaṃ loko uddhasto pariyonaddho tantākula-jāto gulāguṇḍika-jāto **muñ-
ja-babbaja**-bhūto apāyaṃ duggatiṃ vinipātaṃ saṃsāraṃ nātivattati [...]

Bodhi (2012: 586): “Bhikkhus, I will teach you about craving—the en-
snarer, streaming, widespread, and sticky—by which this world has been
smothered and enveloped, and by which it has become a tangled skein, a
knotted ball of thread, **a mass of reeds and rushes**, so that it does not pass
beyond the plane of misery, the bad destination, the lower world, saṃsāra
...”

Two Sanskrit fragments of the same scripture, which is included in the *Samyukta-Āgama* of the (Mūla-)Sarvāstivādins,²⁶ were discovered on the northern Silk Route,²⁷ and strongly suggest that the passage quoted above was well-known among Buddhists in this region. ‘Reeds and rushes’ as a metaphor for the world (*loka*) stuck in saṃsāric existence, which is “smothered and enveloped” by craving, should thus have not been unfamiliar to the Tocharian-speaking sphere. In this connection, the ‘pleasures of reeds’ (TochB *kārwaṭ skwānmā*) might be figurative for this-worldly pleasures that are ephemeral and unreal.

25 On the four *viparyāsas* with additional references, see Lévi (1911: 237), de la Vallée Poussin (1925: vol. IV, 21), Lamotte (1949: 1076), and Lindtner (1982: 257).

26 For a parallel to this passage in the Chinese *Samyukta-Āgama* (possibly affiliated with the same school), see T.99, 2.256a18–24.

27 Cf. SHT 1031 from Murtauq (identified by Enomoto 1985: 81–83), and SHT 1375 of unknown findspot (identified by Ernst Waldschmidt; see Sander and Waldschmidt 1985: 245 f.).

At the core of the Tocharian stanza in question, which is admittedly difficult to interpret, it is perhaps not impossible to see this image interwoven with that of a charcoal-pit, on which a scripture of the Pāli *Samyutta-Nikāya* elaborates (ed. Feer 1894: vol. IV, 188 f.):²⁸

Seyyathā pi bhikkhave **aṅgārakāsu** sādhipaporisā pūṇṇā aṅgārānaṃ vī-tacchikānaṃ vī-tadhūmānaṃ / atha puriso āgaccheyya jīvitukāmo amar-itukāmo sukhakāmo dukkhapaṭīkūlo / tam enaṃ dve balavanto purisā nānābhāsu gahetvā tam **aṅgārakāsuṃ** upakaḍḍheyyuṃ / so iti c'iti c'eva kāyaṃ sannāmeyya / Taṃ kissa hetu / Ńātañ hi bhikkhave tassa purisassa hoti / Imaṃ khv ahaṃ **aṅgārakāsuṃ** papatissāmi / tato-nidānaṃ maraṇaṃ vā nigacchāmi maraṇa-mattaṃ vā dukkhanti // Evam eva kho bhikkhave bhikkhuno **aṅgārakāsūpamā** kāmā diṭṭhā honti yathāssa kāme passato yo kāmesu kāmaccchando kāmasneho kāmamucchā kāmā-pariḷāho so nānuseti [...]

Bodhi (2000: 1248): “Suppose there is a **charcoal-pit** deeper than a man’s height, filled with glowing coals without flame or smoke. A man would come along wanting to live, not wanting to die, desiring happiness and averse to suffering. Then two strong men would grab him by both arms and drag him towards the **charcoal-pit**. The man would wriggle his body this way and that. For what reason? Because he knows: ‘I will fall into this **charcoal-pit** and I will thereby meet death or deadly suffering.’ So too, bhikkhus, when a bhikkhu has seen sensual gratifications as similar to a **charcoal-pit**, sensual desire, sensual affection, sensual infatuation, and sensual passion do not lie latent within him in regard to sensual gratifications.”

A Sanskrit parallel of this passage is partially preserved in a fragment from the Tocharian-speaking sphere,²⁹ which bears witness to the circulation of

28 The same simile also occurs in three other scriptures of the Pāli canon; see *Majjhima-Nikāya* (ed. Trenckner 1888: vol. I, 74 and 365), and *Samyutta-Nikāya* (ed. Feer 1888: vol. II, 99).

29 Cf. SHT 1099 from Sāngim, *recto*, line 4–5: (*nīva*)*raṇaṃ ca yathābhūtaṃ samyakprajñayā dṛṣṭaṃ bhavati* [*a*]*ṅkāraka(ṛṣūpamaṃ)* (em. *aṅgārakarṣūpamaṃ*) ||| ||| .. *paśyataḥ yaḥ kāmēsu kāmaccchandaḥ kāmāsnehaḥ* [*kā*]*mapre[ma]* + ||| ‘And the hindrance is seen as it truly is by means of right insight, [like] a **charcoal pit** ... When ... sees ..., sensual desire, sensual affection, sensual love ... in regard to sensual gratifications.’; see Sander & Waldschmidt (1985: 94), and Enomoto (1985: 83 f.).

this scripture in local monastic community. It is therefore conceivable that a gnomic allusion to the image of a charcoal-pit (*aṅḡārakaṣū*),³⁰ broadly construed as a fire-pit,³¹ may well have brought home to Tocharian-speaking Buddhists the doctrinal point lying behind it, namely the deceptive nature of sensual gratifications (*kāma*), which are likened to a pit filled with embers that do not emit any flame or smoke warning people away from the edge of the abyss. One who does not see the hidden perils will commit the aforementioned error of taking what is painful as pleasurable, under the misguidance of sensual gratifications or sensual craving (*tṛṣṇā*). The latter is epithetically referred to as ‘an ensnaring leader’,³² for instance, in verse 29.53 of the *Udānavarga* (ed. Bernhard 1965: 389):³³

yasya jālinī viṣaktikā tṛṣṇā nāsti hi lokanāyini /
taṃ buddham anantagocaraṃ hy apadaṃ kena padena neṣyasi //

“Because, for whom there is no ensnaring craving, attachment, leader of the world, he is awakened, endowed with endless realm, and leaving no track, by what track will you lead him?”

In light of this verse, well received on the northern Silk Route,³⁴ a new interpretation of the very hemistich in which *koṣko* occurs might be hypothesized: 1. The discarded hypothesis of Lindeman (1969: 171) who analyzed *rāsām* into *ra* ‘also, like’ and *āsām* ‘leads’ may be vindicated, given the difficulties in positing a putative 3.sg. subj. II of *rāk-* ‘to extend’.³⁵ 2. The equivocal form *tarśitse* is not to be read as gen.sg. *tarśintse* ‘of deception’, but to be emended to adj. *tarśitsa*,

30 For the Pāli counterpart, see CPD s.v. *aṅḡārakāsū*. Skt. *kaṣū* is etymologically derived from the verb *kaṣ-* ‘to plough, make furrows’ and originally means ‘furrow, trench’ (EWAia s.v.).

31 This is how the word was construed by the translator of the Chinese *Samyukta-Āgama*, probably belonging to the same school as the Skt. fragment; cf. T.99, 2.314a13: *wuyu ru huokeng* 五欲如火坑 ‘The fivefold sensual gratifications (*kāma*) are like a fire-pit.’

32 For occurrences of this epithet of *tṛṣṇā*, see BHSD s.v. *jālinī*.

33 For other versions of the same verse, see no. 180 of the Pāli *Dhammapada* (ed. von Hinüber & Norman 1995: 51), no. 277 of the Patna *Dharmapada* (ed. Cone 1989: 175 f.), and the *Mahāvastu* (ed. Senart 1897: vol. III, 92).

34 In addition to the Skt. manuscripts of the *Udānavarga* discovered in this region, there is a bilingual fragment in Skt. and TochA which seems to contain this verse; cf. THT 1053 (A 419) from Sāngim, b3–4: */// apadaṃ kena pade(na) /// /// (lokanāyini)nī · yoke mā n(aṣ) ///* ‘(Skt.): ... leaving no track, by what track ... leader [of the world]. (TochA): There is no craving ...’.

35 See Malzahn (2010: 814), and Peyrot (2013: 801, n. 675).

i.e., an attribute of TochB *yoko/yokiye* ‘thirst, craving’, which functions in the same way as Skt. *jālinī* ‘ensnaring, deceptive’. Taken altogether, we propose the following translation of Occurrence d.:

THT 255 (archaic) a3–5 collated with THT 254 (archaic) a2–3 in minuscule
 [...] ket šāñ skwänma ma takam / su alyekmeṃ yaskästrä /
 ///nmā mā tākam su alyekmeṃ ya///
 yaṣu skwänma ket pälsko / kärwa=skwänma ma skwänma :
 ///.u skwänmā ket – lsko – rw.ts skw. – – skw.nmā :
 koṣko r=āśam taršitsa⁺ / tsätkwo⁺ tsätkwaṃ enkästrä /

rukšä-pälsko še=klyeñkrä / skwätse laute mā nesäm 8 [...]
 [...] /// lsko še=klyeñträ skwäntse laute mā nesäm 8

“Who does not have his own pleasures, [and] to whom the thought [occurs]: ‘alms are pleasures’, he begs from another. [Yet] the pleasures of reeds (i.e., this-worldly pleasures) are not pleasures. Like a [charcoal-] pit, the deceptive (i.e., craving) leads [him]. [It is] erroneous (*vīparīta* or *vīparyasta*):³⁶ [he] takes it erroneously (i.e., he takes what is painful as pleasurable). A harsh-spirited one constantly doubts; there is not an instant (*kṣaṇa*) of pleasure.”³⁷

2.2 Semantics and Formal Analysis

2.2.1 Semantics

The textual parallels adduced above should suffice to demonstrate that the received *Bedeutungsansatz* ‘hut’ is not tenable, and that an alternative meaning ‘pit’ makes better sense in all the intelligible occurrences of *koṣko/koṣkiye*. Both

36 The hapax *tsätko* is not easy to interpret. Lindeman’s interpretation as the oblique of direction (“[führt] ... in die Irre”) is morphologically problematic, as is rightly critiqued by Hackstein (1995: 119). We tentatively emend it to *tsätkwo*, which would be a variant with mobile-*o* of *tsätku* (> **tsätkwā* > *tsätkwo*). The adj. *tsätku* is the lexical base of *tsätkwantsñe* ‘error, delusion’ = Skt. *vīparyāsa* ‘id.’ vel sim. (cf. Pinault 2006b: 144 f.). Therefore *tsätku* should correspond to the adj. counterpart of the Skt. noun, namely *vīparīta* or *vīparyasta* ‘erroneous, reversed’.

37 We must confess that the purport of the last line of this stanza is not entirely clear to us. But see *Bhagavadgītā* 4.40: *ajñāś cāśraddadhānaś ca saṃśayātṃā vīnaśyati / nāyaṃ loko ’sti na paro na sukhaṃ saṃśayātmanaḥ* || tr. van Buitenen (1981: 89): “The ignorant and unbelieving man who is riven with doubts perishes: for the doubter there is neither this world nor the next; nor is there happiness.”

a fire-pit for self-immolation (*agnikhadā*) and for burnt offerings (*agnikuṇḍa*), and perhaps also a charcoal-pit for ensnaring humans (*aṅgāraḥarṣū*), fall neatly into one and the same semantic field under the rubric of ‘pit, hole’, which, as we argue below, is presumably the primary meaning of the TochB word in question.

The reason that all previous scholars, beginning with Sieg (1943: 134), opted for ‘hut’ may well have been a misapprehension of the Skt. compound *agnikhadā* in the aforementioned parallel in the *Avadānaśataka*, which Sieg first identified. Following the *Petersburger Wörterbuch* (s.v. *khadā*: “Hütte, Stall”), Sieg did not mention the other meaning ‘pit, hole’ that Schmidt had already noted in his *Nachträge*,³⁸ and adopted the meaning ‘hut’ for TochB *koško/koškīye*. This is, to be sure, nothing more than a Homeric nod.

2.2.2 Formal Analysis

In terms of its declension, TochB *koško/koškīye* belongs to the *okso*-type, also called *prosko*-type (Hilmarsson 1987; Peyrot 2008: 102f.; Del Tomba 2020: 141), which corresponds to Class VI, 2 of Krause & Thomas (1960). It is feminine, like most nouns belonging to this category (e.g. Peyrot 2008: 102). The words of this type have their nominative in *-o* or *-īye* or both (Hilmarsson 1987: 36). Their accusative is in *-ai*, their plural in *-aiñ* and their derivatives are built on the *-ai* stem, as in *oksaīññe* ‘pertaining to an ox’ (Hilmarsson 1987: 36 and Del Tomba 2020: 140).

The nominative ending *-īye* is more recent than that in *-o* (Hilmarsson 1987: 44). The more recent origin of the nominative ending *-īye* among Class VI, 2 nouns can be observed in the fact that it does not palatalize in nouns of this class, whereas it does trigger palatalization of preceding consonants in nouns of Class VI, 1, where it is old (and the only nominative ending); cf. Hilmarsson 1987: 45. The major part of the nouns of the *okso*-type (Class VI, 2) derive from Indo-European **-eh₂*-stems and **-ōn*-stems (Hilmarsson 1987: 44f.) but there are also loanwords in this class, such as TochB *pātro* ‘alms bowl’ ← Sanskrit *pātra*- ‘vessel, begging bowl’.

In the course of history, Class VI, 1, comprised of nouns having their nominative ending in *-īye* and their oblique singular ending in *-i* (nom. pl. *-iñ*, obl. pl. *-im*), influenced Class VI, 2, i.e., the *okso*-type (for details see Hilmarsson 1987: 50f. in particular; differently Pinault 2008: 484f.). As Hilmarsson writes (1987: 51), “[a] further consequence of this influence was the introduction of the nom. sg. ending *-īye* beside the original *-o* of Class VI, 2.” This

38 See Schmidt (1928: 162): “soll ‘eine natürliche Höhle’ sein”.

has received some acceptance among scholars (e.g. Peyrot 2008: 102f.; Del Tomba 2020: 140).

On this basis we will thus consider *koško* as the original form and *koškīye* as a later form, made in the classical period. The same can be said about a number of TochB words of this class, for which see Peyrot (2008: 102 f.).

3 Previous Etymologies

In order to solve the question of the etymology of TochB *koško* ‘pit, hole’, we must examine the previous etymological attempts that were made for this word. We will first present the attempts made before Adams (2006), and then Adams (2006). We will discuss some proposed Indo-European etymologies, which we do not find convincing, and provide an Iranian etymology which we believe to be more probative.

3.1 Before Adams (2006)

The most extensive and latest work on the etymology of TochB *koško* and *koškīye* is Adams (2006), which we will discuss in Section 3.2. Previously, Adams (1999: 206) accepted Van Windekens’ proposal of 1972 (“[...] le terme tokharien est un emprunt à l’iranien [...] on est en mesure maintenant de prouver d’une façon indiscutable que tokh. B *koškīye* [sic], *koško* ‘cabane’ n’est pas autre qu’un substantif iranien **kauška-*. [...]”). Further connecting this **kauška-* with Khot. *kūšḍa-* “palais” and Av. *ašta.kaožda-* “à huit division”, Van Windekens proposed that the borrowing was from a Western Iranian language (cf. Pahl. and NP *kōšk* ‘pavilion, castle, mansion’). Tremblay (2005: 434) also accepts Van Windekens’ etymology, specifying that for him Parthian is the source language of the Tocharian word (although such a word is not attested in Parthian).

3.2 Adams (2006)

Adams (2006: 397 f., and subsequently 2013: 220) is of a different opinion. His etymological discussion (2006: 397 f.) deserves to be quoted in full:

The putative change of meaning from ‘castle’ vel sim. to ‘hut’ is not an expected one. Nor is there any good reason to expect a borrowed noun referring to an inanimate object to show up in Tocharian B with feminine gender and the ending *-īye* (*-ai-*). Rather we would expect a neuter ***košk* or ***koške*. Finally, it is at least a little odd that the borrowing should come from western Iranian rather than eastern. A borrowing from an eastern

Iranian reflex of **kaušdaka-* would probably have eventuated in a Tocharian B ***koṣtek*.³⁹

These three considerations together cast a distinct shadow on Van Windekens' suggestion. The possibility that we have an inherited word, a cognate of *k_ušīye*, must be entertained. Phonologically impeccable would be a late Proto-Indo-European diminutive **kūsek/gā-*, most closely related to Germanic **hūsa*. However, since the long **-ū-* of this etymon, whatever its source, is apparently limited to Germanic, it is probably better to see the Tocharian *-o-* as somehow a development of PIE short **-u-*. In this context one might compare Tocharian B *pošiya**, Tocharian A *poši* 'wall' from PIE **pusiyeh_u*, though the conditions under which this development occurs are obscure.

In the following sections, we will discuss the points raised by Adams, and then provide our own proposal as to the etymology of *koṣko/koṣkīye*.

3.2.1 The Semantic Shift

Even if *koṣko/koṣkīye* meant 'hut', which we hope to have satisfactorily proven is not the case, the point raised by Adams as to the semantic aspect of the problem is valid: castle, mansion, and even pavilion, can hardly be used to refer to a hut, especially if they are borrowed from a different language, and no specific architectural evolution can explain such a semantic change. Moreover, if *koṣko/koṣkīye* means 'pit, hole', as is demonstrated above, the etymon of this word could never be a word that initially meant **'castle, mansion'* or **'pavilion, kiosk'*. So, in general, Adams's argument that *koṣko/koṣkīye* cannot derive from **kaušdaka-* 'castle, mansion, pavilion' is entirely valid.

3.2.2 The Phonological Derivation

3.2.2.1 From Iranian

A number of Tocharian words derive from Western Iranian languages, mainly Parthian. Nevertheless, they rarely designate *realia* (usually political or religious realities), so indeed we would expect an Eastern Iranian language to be the source of such a word, if the hypothesis of a borrowing is to be maintained.⁴⁰ We cannot entirely accept Adams's take on the impossibility of a

39 In a footnote he adds: "Compare TchB **ekšinek* 'dove' (only in the derived adjective *ekšinekāññe*) from **axšinaka-* (seen in Iranian only in Khotanese and Ossetic)."

40 The designation of Western and Eastern Iranian in the present article is purely geographical, and does not refer to the so-called Western and Eastern Iranian nodes as genetic entities.

loanword from an Eastern Iranian language. If, indeed, **kauždaka-* underwent syncope to **kauška-* in a number of Iranian languages, it possibly also happened in languages spoken to the east; otherwise another solution is perhaps preferable (see Section 4.2.).

Contrary to Adams's claim quoted above, it is not odd at all that an older disyllabic noun of the class of *okso* (mostly with feminine gender) takes a variant nom.sg. in *-iye* (see Section 2.2.2.). In fact, we do expect a feminine *koško* and not "a neuter **košk* or **koške*" from, for example, an old borrowing from Pre-Bactrian **kōškā* (→ Pre-Tocharian B **-a*, remade into an *o*-stem within Tocharian B); as for the preservation of Pre-Bactrian vocalism in Tocharian loanwords, see for instance Pre-Bactrian **malo* 'wine' (cf. Bactrian $\mu\omicron\lambda\omicron$) → TochB *mālo* 'type of wine'.⁴¹ Regarding ***košte*, this is not expected from an Old Iranian form (which should be ***kaušteke*) or from a Middle Iranian form, whether Eastern or not (which could yield, for example, ***koštak*).⁴² It is also possible that one has to posit two Proto-Iranian reconstructions: **kauš-* 'mansion, big building' and **kaužda-* 'id.'

It might seem tempting to follow Adams in connecting these words to Proto-Germanic **hūsa* 'house', Old English *hūs*, Dutch *huis*, etc. The Proto-Germanic word is, nonetheless, etymologically obscure. As Kroonen (2013: 260) points out, "[i]n view of the neuter gender of **hūsa-*, it is plausible that the word represents a thematicized *s*-stem to the root **kuH-* 'to cover' [...], which would point to an original meaning 'shelter.'" Those two families of words can thus not be connected.

3.2.2.2 From Indo-European

Adams, as quoted above, proposes that the aforementioned Germanic forms are connected to the Tocharian forms, and that they are all inherited. The connection with the Germanic forms has to be rejected for the following reasons: First, the Germanic forms go back to a form with a long vowel, as Adams himself notes (2006: 398), while the Tocharian form does not. Secondly, PIE

41 The Pre-Bactrian *-o* or *-u* < OIr. **-u* (OIr. **maðu-* 'wine' is the etymon of this word), being still pronounced at the time of the borrowing, is the reason why Tocharian incorporated this word to this noun class. For another example of a Tocharian reflex of the Pre-Bactrian final vowel, see Pre-Bactrian **sabulā* 'cup, jug' (cf. Bactrian $\sigma\alpha\beta\omicron\lambda\omicron$ /*sabu(:)l/*) → TochB *sapule* 'pot'. As to the adaptation of **-ā-* to an *o*-stem, see e.g. TochB *maiyya* 'power, might' adapted to *maiyyo*.

42 We would also like to specify that OIr. **axšaina-* 'blue, turquoise' is reflected in a great number of languages, so that a derivative **axšainaka-* could have been made or remade in many Iranian languages. What is specific to Ossetic in this case is OIr. **ain* → Proto-Ossetic **in*; see Cheung (2002: 17).

*-u- does not become Proto-Tocharian *-o-, but Proto-Tocharian (or Pre-Proto-Tocharian) *-ə-, as is well known, and in all positions.⁴³ Thirdly, we do not see what the origin of the second -k(o) would be, especially since a Proto-Indo-European diminutive in *-keh₂/geh₂, as Adams proposes, would have no other reflex in Tocharian (or, as far as we know, in any Indo-European language). Theoretically, one could presuppose an ending in -ōn, as for a number of other nouns of Class VI, 2 (okso-type). This would also yield no result, since a mechanical reconstruction *keuskōn would not explain why we have a š and not an s, and since a root *keusk- would be aberrant from an Indo-European point of view.

If we were to project Proto-Tocharian *koško back into Proto-Indo-European, we should reconstruct *Keh₂- for the first part (where K stands for any palatal or palato-velar stop), and it is unclear what form the suffix should take.

To the best of our knowledge, we could not see a single fitting Indo-European root for this word. For instance we do not see how *keu- ‘to throw’ or *geu- ‘to move quickly’ (only Indo-Iranian; LIV² s.v.) would fit. Possibly one could think of the root **keu- ‘hollow’, but there would be no way to explain in a straightforward fashion the consonant š in this word as a root extension of that root, nor as a suffix.

Finally, and most definitively, since the meaning of koško/koškīye is ‘pit, hole’, this etymology cannot work. On the contrary, it is possible that a word with such specific cultural and religious relevance as koško/koškīye is ultimately a borrowing from another language. The source languages of this kind of borrowings in Tocharian are Indo-Aryan and Iranian.

43 Adams (2006: 398) mentions TochB *pošiya**, TochA *poši* to support his proposal of a Proto-Tocharian *-o- reflex of PIE *-u-. Nevertheless, the etymology of TochA *poši* ‘wall’ (and, possibly, secondarily ‘side’), TochB *pošiyañ* (nom. pl.) ‘wall’ is not clear. While it has been claimed by various scholars to be “the exact equivalent” of Lithuanian *pūsė* ‘side, half’ (Latvian *puse* ‘id.’), Hilmarsson (1986: 42) preferred to see them as more distant cognates, with secondary palatalization due to the addition of the suffix *-iyā. Adams (2013: 435) writes: “The -o- vowel may be regular for PIE *-u- in a labial environment or it may be by contamination with PIE *pouso/eha- seen in TochA *posa* ‘beside, down’ *posac* ‘beside,’ [...]”. Isebaert (1980: 138) connects the latter forms with OIr. *pāzu- ‘face’, which Tremblay (2005: 427) does for all these words (this does not work phonetically, since OIr. *pādzu- would yield Proto-Tocharian †pats). In our opinion, in not a single one of these cases is the semantics convincing. The best etymology to this day, in our opinion, is that of Del Tomba (2020: 171) who proposes to derive it from *peh₂- ‘to protect’ (as in ‘what protects’ → ‘a wall’), often enlarged with -s-, but it is also not without problems. TochA *poši*, TochB *pošiyañ* ‘wall’ remain thus without a secure etymology, and certainly cannot be used to propose a change PIE *-u- > Proto-Tocharian *-o-.

To sum up, we accept Adams's refutation of the etymology **kauždaka-* 'castle, mansion, pavilion' on semantic grounds, but we reject his Indo-European etymology for the word *koško/koškīye* for both formal and semantic reasons, while maintaining that a borrowing from an Iranian language is possible, if not assured.

4 New Etymological Proposition

The word *koško/koškīye* was thought to mean 'hut', but we hope to have demonstrated that it rather designates a type of pit. On the basis of the findings, relating both to the meaning of *koško/koškīye* (Section 2.2.1.) and to the received etymologies (Section 3), we must reconsider the etymology of this word.

As we could find no Indo-European root that could yield Proto-Tocharian **koško*, in particular in order to explain the *-šk-* element, and because we could find no fitting internal etymology, we believe that it is probable that the noun *koško* (later *koškīye*, oblique *koškaī*) is of foreign origin.

Furthermore, the word *koško* has a precise, almost technical, meaning, and is without a cognate of any sort within Tocharian. As mentioned in the Section 2.2 there are other borrowed nouns belonging to the *okso-* type (Class VI, 2). Semantically, the most likely candidates for its source word are, we believe, found in Iranian. As is known, Iranian is the source of a great deal of Tocharian A and B words, including in many technical sub-domains of the lexicon (e.g. Isebaert 1980; Pinault 2002). In the following, we will discuss the possible Iranian cognates of the TochB word in question, such as Khot. *kušda-* 'hole' (DKS: 63 f.), Iron *k'oskæ*, *k'osgæ*, Digor *k'ūsk* 'niche, arrowslit'⁴⁴ (Abaev 1958: 642 f.), Sogdian *kwc*, *kwc'kh* 'mouth' (Gharib 1995: 199), and Wanetsi *kōžak* 'small hole' (Morgenstierne 1930: 168).

4.1 Old Iranian **kaužda- ~ *kauška-* 'opening, hole'?

If all the aforementioned Iranian forms are indeed cognates of TochB *koško/koškīye*, the meaning 'opening, hole' can be postulated for their common ancestor. In the present section we will examine whether or not such a lexeme can be reconstructed for Proto-Iranian.

4.1.1 Sogdian, Khotanese, and Related Forms

According to Sims-Williams (1983: 47), Sogdian *kwc*, *kwc'kh* f. 'mouth', derives from **kauždačī-ā-kā-* (cited in Gharib 1995: 199). The element **-čī-* is the regu-

44 'Niche' in the sense of 'alcove'.

lar feminine correspondent of **-ka-* (Morgenstierne 1973: 103 f., and 106 f.; *pace* Gershevitch 1961: 39 f.). The secondary addition of **-ā-kā-* to an older f. stem in **-čī-* is *de rigueur* in Sogdian (Sims-Williams 1981: 14–15). Sims-Williams (1983: 47) also cites forms from the Shughni group: Shughni and Bajui *kūčj*, Khufi and Roshani *kūčj* ‘opening, mouth, hole’, “which may probably be derived from **kauždačī-*”.

Khot. *kušda-* ‘hole’ belongs, according to Bailey (DKS: 63–64), to the paradigm of an unattested earlier **kūšda-*; cf. *kaušda-*, *kūđai-*, which presuppose such a form. Since the Khotanese form does not seem to be suffixed, it may well represent the original stem, to which a feminine suffix was later attached in Sogdian and the other languages cited above (the meaning ‘opening, hole’ in Shughni, etc. must be secondary: ‘mouth’ > ‘opening, hole’).

Note also Wanetsi *kōžak* ‘small hole’ (Morgenstierne 1930: 168) < **kōšak-* < **kauš(a)ka-*, which, if it is inherited, can certainly not derive from **kōška-* (Morgenstierne 1930: 161). Although it seems to be related to the words cited above, its etymology remains unclear. There are chances that it is a borrowing from another Iranian language.⁴⁵

4.1.2 Ossetic

Since arrowslits and niches are also holes and openings, it would be tempting to relate Iron *k’oskæ*, *k’osgæ*, Digor *k’ūsk* ‘niche, arrowslit’ (Abaev 1958: 642 f.) to the forms discussed in Section 4.1.1. Internal reconstruction yields Proto-Ossetic **kauškā-* as the only possible predecessor of both Iron and Digor forms.⁴⁶ We will keep this reconstruction as a working hypothesis, and see how we can reconstruct this root for Proto-Iranian.

4.2 Proto-Iranian Reconstruction

Bailey (DKS: 64) notes for this word, as well as for Khot. *kūšda-* ‘palace’, Pahlavi and New Persian *kōšk* ‘pavilion, mansion, manor’, Khot. *jūšda-* ‘ibex, mountain

45 Perhaps it was borrowed as **kōšk* at a time when the cluster *-šk-* was impossible to pronounce for the speakers of Wanetsi, during or after the sound law **-šk- > -č-*, which would be why the speakers of Wanetsi added a vowel **a* (**kōšak*) to be able to pronounce it. Mauro Maggi (p.c.) suggests that the *-ak* here is a diminutive suffix, which corresponds very well to the meaning ‘small hole’, but this raises another series of phonetic and derivational problems.

46 The initial consonant of this word is an ejective. Cheung (2002: 37) shows that ejectives in the inherited vocabulary of Ossetic mostly occur in the clusters containing a /k/, such as /sk/, /rk/, /rsk/, etc. We therefore propose that the Ossetic word was initially **kōšk’æ*. The ejectivity was then regularly retracted to the first syllable because it carried the accent (cf. Cheung 2002: 37).

goat', Armenian loanword *youška*- 'ass', "possibly Yaz[gholami] *yok* 'large mountain goat', and Wakhi *yukš* 'wild goat'" (DKS: 112), an alternation between *-šda* (< **-žda-*) and *-ška* within Iranian.⁴⁷ Since this is not tenable from a historical point of view (morphologically certainly, since *-da* is not a suffix, neither inherited nor substratal, and neither is *-ška*), another explanation must be sought.

While the gender of the Khotanese lexeme is unclear, the modern languages mentioned in Section 4.1.1. (i.e., Shughni, etc.), as well as Ossetic and Sogdian, reflect an ancient feminine. This agrees well with the feminine gender of TochB *koško*. It is possible that Ossetic also underwent the simplification (**kauždakā*- > **kauškā*-) proposed for Sogdian, or perhaps borrowed it from another language subjected to the same sound change. It appears as if different languages reflect different stages of the evolution of this lexeme: Khotanese reflects **kaužda-* (perhaps **kauždā-* if the word is Late Khotanese), Ossetic **kauškā-*, the Shughni group **kauždačī-* and Sogdian **kau(š)či-ā-kā*- < **kauždačī-ā-kā-*. Since Ossetic and Sogdian seem to have both undergone the same simplification, it is possible that a borrowing of some kind occurred in one or the other language, or in both. Perhaps one has to evoke borrowing to explain Pahlavi and New Persian *kōšk* 'pavilion, mansion, manor', also from **kauždakā*- > **kauškā*- 'important building' (a different etymon, cf. Khot. *kūšda*- 'mansion, palace'). These two etymons ('building' vs. 'hole') must be distantly linked to each other in the same way as the word for 'house' in Iranian (Av. *kata-*, Pahlavi *kadag*, etc.) is linked to the root *kan-* 'to dig'. This is feasible either because some Iranian peoples (e.g. the Scythians) lived in underground dwellings;⁴⁸ or, perhaps less likely, because one must dig a hole to build any building.⁴⁹

The word **kauškā*- 'important building, mansion' was borrowed into Ubykh from an Iranian language; see Ubykh *k'uašk* "Herrenhaus mit Bretterdach" (von Mészáros 1934: 356, who himself suggested the connection).

47 For the last example, see Maggi (2019: 301–305), who shows that the word has a different meaning and etymology (as the Wakhi word probably also does) and invalidates Bailey's argument on this point.

48 The main reason for this is that the underground temperature is relatively constant and usually not lower than 0 °C, which is higher than the ground surface temperature in cold climates. For the Scythians' cozy subterranean dugouts, see Virgil's *Georgics* 3.376 ff.: *Ipsi in defossis specibus secreta sub alta otia agunt terra; congestaque robora, totasque advolvere focus ulmos, ignique dedere*; tr. Fallon (2006: 63): "As for those men (i.e., the Scythians), they carry on at ease in caves they've gouged out underground, with stacks of hardwood by the hearth, whole elms, in fact, to roll on to the roaring flame." See also Hirt (1906/07: 690 f.).

49 Alexander Lubotsky (p.c.) has kindly pointed us to this possibility.

In any case, **kauškā-* is clearly not the result of a suffixation in *-ka-* of a base noun **kauš-* for such a noun does not exist, and even more clearly it is not the suffixation of a noun **kauša-*, which would produce Ossetic (Iron) †*k'osæg*, (Digor) †*k'ūsæg*, Pahlavi †*kōšag* and New Persian †*kōša*.

4.3 *Further Etymology*

Neither **kaužda-* ‘important building’ nor **kaužda-* ‘hole, opening’ has a convincing Indo-European etymology. For instance, Bailey’s (DKS: 64) connection with PIE **keu-* ‘hollow’ (Gothic *huzd*, Old English *hord* ‘hoard’) does not work, since the Indo-European root must be reconstructed with a palatal in view of e.g. Av. *sūra-* ‘hole’. Moreover, the setting back of **kaužda-* in Proto-Indo-European would not yield a plausible reconstruction. The meanings of those two words do not match any possible Indo-European root, and the structure does not appear to be typically Indo-European.

The more probable solution, in our opinion, is that those two etymons are substratal in origin, and borrowed by Proto-Iranian (perhaps Proto-Indo-Iranian, but Indian cognates still remain to be found). If the Western Iranian related forms are ultimately later borrowings, it is possible that those words (such as Pahlavi) were borrowed by Eastern Iranian languages. The borrowing must be old, in any case, since it shows traces of RUKI. A number of substratal loanwords designate things that are linked to the house and habitation (Lubotsky 2001: 307, 311). Perhaps, in the case of **kaužda-* ‘hole, opening’, the word originally had a wider meaning, similar to that of Ossetic, and was linked to, say, architecture or irrigation, or it had that meaning along with the more general meaning of ‘hole, opening’. This would also correspond to the type of vocabulary that we find in BMAC substrate loanwords in Indo-Iranian.

4.4 *TochB koško and Its Origin*

4.4.1 Substratum or Iranian?

TochB *koško* should also derive from an Iranian language with a proto-form such as **kōškā-* < **kauškā-*, posited in Section 4.2. or something similar. It cannot be a direct borrowing from the supposed original substratal form. Although some Tocharian words are ultimately from the same substratum as a number of Indo-Iranian words, known as the BMAC substratum (e.g. Pinault 2006a), these words show specific sound changes which are different from those peculiar to Old Iranian loanwords in Tocharian, and also different from sound changes from Proto-Indo-European to Proto-Tocharian; e.g. TochB *kercaṣo* ‘donkey’ borrowed from the same source (possibly a BMAC language) as Old Indic *gardabhā-* ‘donkey’ (EWAia s.v.); TochB *eñcuwo* ‘iron’, TochA **añcu* ‘id.’ ← **ańcu* ‘rusty red, brown’ (compare Skt. *aṃśu-* ‘Soma plant’, YAv. *qsu* ‘Haoma plant’; Pinault

2006a: 185–189); TochB *wästarye* ‘pertaining to a camel’ ~ **wästare* ‘camel’ ← **uštra-* ‘camel’ (Chen 2019: 230f.; Adams 2017: 457, with a different etymology),⁵⁰ the same source as Proto-Indo-Iranian **Huštra-* ‘camel’, also substratal (Lubotsky 2001: 307). In the present case, we would not expect a *š* to reflect a supposed substratum form **kays-*. This also holds if we were to derive the Tocharian form from Indo-European.

Furthermore, if our reconstruction **kayžda(ka)-* is correct, it would be surprising that Tocharian underwent the same simplification as some Iranian languages, all the more so, as nominal *-ka-* is not a suffix native to Tocharian.

In short, since we lack non-Iranian evidence for cognates, and since we cannot explain the Tocharian form as inherited or borrowed directly from a third language, the hypothesis of an Iranian origin must be upheld. In the following, the exact source language will be sought.

4.4.2 The Iranian Source of the Borrowing

Before delving further into the Iranian predecessor of *koško*, we consider it useful to make a brief morphological remark. Since *koško* has a variant *koškīye*, obl. *koškai*, it must belong to the class of *okso* rather than the class of *aršāklo* (Hilmansson 1987: 37–50, Del Tomba 2020: 140). Nevertheless, words of Iranian origin usually belong to the class of *aršāklo* (class VI, 3 of Krause & Thomas 1960). TB *koško* would be the only Iranian loanword belonging to the *okso*-type (class VI, 2 of Krause & Thomas 1960). In fact, given the greater number of loanwords, Iranian ones in particular (e.g. *twānkaro* ‘ginger’) in the *aršāklo* class, it is possible that *koško* had initially belonged to the *aršāklo* class, but was “moved” to the *okso* class for two reasons combined: 1. Like all other members of the *okso* class, and unlike the members of the *aršāklo* class, *koško* is disyllabic.⁵¹ 2. Like most other members of the *okso* class, it is feminine in gender (Hilmansson 1987: 37). There is another possible explanation: The word was borrowed into Proto-Tocharian, at a time when, according to Del Tomba (2020: 148 f.), the *okso* class and the *aršāklo* class were one. In that case, it would naturally enter the *okso* class (because it is disyllabic) when the two classes split.

Although TochB *koško/koškīye* is likely to be of Iranian origin, the Iranian language it comes from is not immediately evident. Therefore, we must proceed by elimination. As mentioned above (Section 4.2.), Khotanese reflects **kayžda-*, the Shughni group **kayždačī-*, and Sogdian **kayždačī-ā-kā-* (> **kay(š)čī-ā-*

50 Adams derives it from PIr. **ustrá-*, which is impossible, because Proto-Iranian had undergone RUKI. Chen considers it a borrowing through the dialectal type **uštur*, while regarding **-št-* > **-st-* → *-st-* as an inner-Tocharian analogical development.

51 See Del Tomba 2020: 140 for an overview of the two types.

kā-). None of those forms can be the source of the Tocharian word. Wanetsi or related *kōžak* must also be rejected, since there is no reason for the loss of *-a-* in Tocharian. TochB *koško* cannot be borrowed from an Old Iranian language, since the source word from which it was borrowed needs to be **kōškā-*, that is to say, the monophthongization of **-au-* implies a Middle Iranian language, whereas Old Iranian loanwords in Proto-Tocharian usually preserved Proto-Iranian diphthongs (e.g. TochB *waipece* ‘possessions’ ← OIr. **hwai-paθja-*; Cowgill *apud* Winter 1971: 218 and Isebaert 1980: 86).

Parthian, as proposed by Tremblay (2005: 434), is very unlikely to be the source language for this word: For one thing, it belongs, with Middle and New Persian as well as a number of other languages, to a series of languages spoken to the west, which only testify to the meaning ‘mansion, big building’ vel sim. for this etymon. Secondly, Tocharian borrowings from Parthian are very limited in both quantity and semantics. Thus it seems to us unlikely that a Tocharian word meaning ‘pit, hole’ would be borrowed from Parthian. More importantly, TochB *koško/koškīye* is feminine in gender, and was borrowed from a feminine Iranian word ending in **-ā*, while Parthian does not show any traces of gender, which it had lost (along with final vowels) at a very early stage. Last and not least, the Parthian word is not attested.

Three Iranian languages remain as possible sources for the Tocharian borrowing: a. Ossetic (or Scythian), b. Bactrian, and c. an unknown Middle-Iranian language. We will examine these options one by one.

- a. The Ossetic forms discussed in Section 4.1.2. go back to **kauškā-*, which was probably monophthongized in Proto-Ossetic to **k(‘)ōškā-*, which is the closest form to the Tocharian word in question. Nevertheless, we cannot know for sure if Digor *ū* goes back to Proto-Ossetic **ō* (which is more probable), or if the Ossetic reflexes of **au* are **ō* in Proto-Iron and **ū* in Pre-Digor (which is less probable). This, however, is a minor point; the major problem in accepting an Ossetic origin for TochB *koško* rests in the semantics. The Ossetic word means ‘niche, arrowslit’, which probably implies a semantic change **‘opening, hole’ > *‘architectural opening’ > ‘niche’* and **‘opening, hole’ > *‘architectural hole’ > ‘arrowslit’*. In both cases, the meaning of **kauškā-* was strongly oriented towards architecture in Proto-Ossetic. This does not pair well with the meaning of TochB *koško*.
- b. Bactrian is another possible source. There are multiple Bactrian loanwords in Tocharian (Pinault 2002: 261f.). No Bactrian descendent of OIr. **kauždakā-* is attested, but we can confidently reconstruct Pre-Bactrian **kōškā-*, Bactrian **κωβκo*, parallel to the Bactrian development of **-štaka > -ška* (cf. OIr. **hāuīšta-ka-* > *υαβκo* ‘pupil’; Sims-Williams 2007: 272). In Bactrian, there is by and large no gender distinction (except some rem-

nants), and the gender system of Old Iranian has been progressively lost (Sims-Williams 2007: 40–41). In other words, if the Tocharian loanword is from Bactrian, its source language must be either Pre-Bactrian or a very early stage of Bactrian. This is supported by the presence of the final vowel *-o* in a number of Bactrian loanwords in Tocharian, which indicates that the borrowings occurred at an early stage (see Section 3.2.2.1).⁵² Most borrowings from Bactrian are of a political or administrative nature (Tremblay 2005: 436), but one also finds some words for products, probably because of commercial relations between the two peoples, such as TochB *mālo* ‘a type of wine’ and TochB *sapule* ‘pot’. There are, to this day, no known Tocharian loanwords from Bactrian that clearly concern rituals, magic, or religion. If Bactrian was indeed the source language of TochB *koško*, which cannot be excluded, and even seems likely on formal grounds, then the meaning could have likely been simply ‘pit, hole’ in Bactrian, without any religious or ritual connotation, the Tocharian sense being a specialization of the Pre-Bactrian word.

- c. If, nevertheless, the religious and ritual connotation of TochB *koško* ‘pit, hole’ is not a Tocharian innovation, but was already present in the Iranian source language, then the possibility of a borrowing from an unknown Middle Iranian language must be entertained. That language underwent the same sound change as Proto-Ossetic (Section 4.1.2.), but underwent a different semantic shift from the Ossetic case, since the latter assumes an architectural meaning. Because no known Iranian language testifies to any ritual or religious connotation for this word, it is possible that the word was borrowed with the simple meaning ‘pit, hole’; in that case, a Pre-Bactrian origin seems indeed more likely. The connection of this meaning with the various usages described in Section 2 must then be sought in Tocharian culture itself.

Be that as it may, we would like to point out that borrowing a word meaning ‘pit, hole’ is in no way trivial. *That* ‘pit’ and *that* ‘hole (in the ground)’ must have had a certain cultural relevance and a certain practical way of making. A possibility, albeit belonging to the domain of speculation, is that it was a pit used for culinary purposes. Perhaps archeological findings will support the attribution of TochB *koško* to one particular Iranian culture, and we can only hope that the future discovery of the Bactrian cognate of Khot. *kuṣṣa-*, Sogdian *kwc*, etc. will verify or falsify our hypothesis of a Bactrian origin of this Tocharian word.

52 A long *-ā* stem in Pre-Bactrian was borrowed as **-a* in Proto-Tocharian, or in Pre-Tocharian B, and this *a*-stem was morphologically made into an *o*-stem, here, into a word of the *okso*-type.

5 Conclusion

To conclude, received translations of all assured occurrences of TochB *koško/koškīye* take for granted a putative meaning ‘hut’. Textual parallels from Sanskrit, Tibetan, and Chinese traditions show that TochB *koško/koškīye* designates a hole in the ground, a pit, either a fire-pit or a charcoal-pit. The meaning ‘hut’ is thus falsified. Previous etymologies of TochB *koško/koškīye*, both Iranian and Indo-European, are rejected on formal and semantic grounds. A new Iranian etymology is proposed for TochB *koško/koškīye* after an in-depth scrutiny of possible Iranian cognates and their internal and external etymology. As for the source language from which the word is borrowed, a number of Middle Iranian languages are ruled out for formal and semantic reasons, and there are only two possibilities left: either (Pre-)Bactrian, or an unknown Middle Iranian language. We consider the Bactrian origin of this word to be most likely.

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References

- Abaev, Vasilij I. 1958. *Istoriko-ètimologičeskij slovar’ osetinskogo yazyka*. Vol I. Leningrad: Nauka.
- Adams, Douglas Q. 1999. *A Dictionary of Tocharian B*. Amsterdam/New York: Rodopi.
- Adams, Douglas Q. 2006. “Etymological Connections of the Tocharian Word for ‘Village’ and the Germanic Word for ‘House’”. *Journal of Indo-European Studies* 34: 390–400.
- Adams, Douglas Q. 2013. *A Dictionary of Tocharian B. Revised and Greatly Enlarged*. Amsterdam/New York: Rodopi.
- Adams, Douglas Q. 2017. “Tocharian”. Mate Kapović (ed.), *The Indo-European Languages (Second Edition)*, London/New York: Routledge, 452–475.

- Appleton, Naomi. 2014. "The Fourth Decade of the *Avadānaśataka*". *Asian Literature and Translation* 2/5: 1–35.
- Bernard, Chams B. & Chen Ruixuan. forthcoming. "A Spicy Etymology: Tocharian AB *śāñcapo*".
- Bernhard, Franz. 1965. *Udānavarga* (vol. 1). Göttingen: Vandenhoeck & Ruprecht.
- BHSD = *Buddhist Hybrid Sanskrit Grammar and Dictionary* (vol. 11: *Dictionary*). By Franklin Edgerton. 1953. New Haven.
- BHSG = *Buddhist Hybrid Sanskrit Grammar and Dictionary* (vol. 1: *Grammar*). By Franklin Edgerton. 1953. New Haven.
- Bodhi, Bhikkhu. 2000. *The Connected Discourses of the Buddha: A Translation of the Saṃyutta-Nikāya*. Boston: Wisdom Publications.
- Bodhi, Bhikkhu. 2012. *The Numerical Discourses of the Buddha: A Translation of the Aṅguttara-Nikāya*. Boston: Wisdom Publications.
- van Buitenen, J.A.B. 1981. *The Bhagavadgītā in the Mahābhārata*. Chicago: University of Chicago Press.
- CEToM = A Comprehensive Edition of Tocharian Manuscripts. <https://www.univie.ac.at/tocharian/>.
- Chen, Ruixuan. 2019. "Vignettes of Buddhist Asceticism: Jottings on Six Fragments in Tocharian B". *Central Asiatic Journal* 61/2: 217–256.
- Cheung, Johnny. 2002. *Studies in the Historical Development of the Ossetic Vocalism*. Wiesbaden: Dr Ludwig Reichert Verlag.
- Cone, Margaret. 1989. "Patna *Dharmapada*". *Journal of the Pali Text Society* 13: 101–217.
- Couvreur, Walter. 1954. "Koetsjische literaire fragmenten uit de Berlijnse verzameling (naar aanleiding van Sieg & Siegling's *Tocharische Sprachreste*)". *Handelingen Zuidnederlandse Maatschappij voor Taal- en Letterkunde en Geschiedenis*: 97–117.
- CPD = *A Critical Pāli Dictionary*. Begun by Vilhelm Trenckner. 1924–2011. Copenhagen.
- Delhey, Martin. 2012. "The Textual Sources of the *Mañjuśrīyamūlakalpa* (*Mañjuśrīmūlakalpa*): With Special Reference to Its Early Nepalese Witness NGMPP A39/4". *Journal of the Nepal Research Centre* 14: 55–75.
- Del Tomba, Alessandro. 2020. *The Tocharian Gender System: A Diachronic Study*. PhD dissertation, Leiden University.
- Demoto, Mitsuyo 出本充代. 1998. *Avadānaśataka no bonkan hikaku kenkyū* [= *A Comparative Study of the Sanskrit and Chinese versions of the Avadānaśataka*] *Avadānaśataka no 梵漢比較研究*. PhD dissertation, Kyōto University.
- Demoto, Mitsuyo. 2006. "Fragments of the *Avadānaśataka*". Jens Braarvig (ed.), *Buddhist Manuscripts in the Schøyen Collection* (vol. 111). Oslo: Helmes Publishing, 207–244.
- DKS = *Dictionary of Khotan Saka*. By Harold W. Bailey. 1979. Cambridge/London/New York/Melbourne: Cambridge University Press.
- Dresden, Mark J. 1955. "The *Jātakastava* or 'Praise of the Buddha's Former Births': Indo-

- Scythian (Khotanese) Text, English Translation, Grammatical Notes, and Glossaries". *Transactions of the American Philosophical Society* 45/5: 397–508.
- EWAia = *Etymologisches Wörterbuch des Altindoarischen*. By Manfred Mayrhofer. 1992–2001. Heidelberg: Universitätsverlag Carl Winter.
- Einoo, Shingo. 2005. "The Formation of Hindu Ritual". Einoo Shingo & Takashima Jun (eds.), *From Material to Deity: Indian Rituals of Consecration*, New Delhi: Manohar, 7–50.
- Enomoto, Fumio 榎本文雄. 1985. "Zatsu agon kyō kankei no bonbun shahon danpen [= Fragments of Sanskrit Manuscripts Related to the *Samyukta-Āgama*]" 『雜阿含經』 關係の梵文写本断片. *Bukkyō kenkyū* [*Studia Buddhica*] 佛教研究 15: 81–93.
- Fallon, Peter. 2006. *Virgil Georgics: A New Translation*. Oxford: Oxford University Press.
- Feer, Léon. 1888. *Samyutta-Nikāya: Nidāna-Vagga* (vol. 11). London: The Pali Text Society.
- Feer, Léon. 1891. *Avadāna-Çataka: Cent légendes bouddhiques*. Annales du Musée Guimet. Bibliothèque de vulgarisation. Paris: E. Leroux.
- Feer, Léon. 1894. *Samyutta-Nikāya: Salāyatana-Vagga* (vol. 14). London: The Pali Text Society.
- Filliozat, Jean. 1948. *Fragments de texte koutchéens de médecine et de magie*. Paris: Adrien-Maisonneuve.
- Gaṇapati Śāstrī. 1925. *The Āryamañjuśrīmūlakalpa* (vol. 111). Trivandrum: Superintendent Government Press.
- Gershevitch, Ilya. 1961. *A Grammar of Manichean Sogdian*. Oxford: Blackwell.
- Gharib, Badr-uz-Zamān. 1995. *Sogdian Dictionary: Sogdian-Persian-English*. Tehran: Farhang.
- Gonda, Jan. 1980. *Vedic Ritual: The Non-Solemn Rites*. Leiden: E.J. Brill.
- Hackstein, Olav. 1995. *Untersuchungen zu den sigmatischen Präsenstambildungen des Tocharischen*. Göttingen: Vandenhoeck & Ruprecht.
- Hilmansson, Jörundur. 1986. *Studies in Tocharian Phonology, Morphology and Etymology*. PhD dissertation, Leiden University.
- Hilmansson, Jörundur. 1987. "The element *-ai(-)* in the Tocharian nominal flexion". *Die Sprache: Zeitschrift für Sprachwissenschaft* 33, 34–55.
- von Hinüber, Oskar & K.R. Norman. 1995. *Dhammapada*. Oxford: The Pali Text Society.
- Hirt, Herrmann. 1906/07. *Die Indogermanen, ihre Verbreitung, ihre Urheimat und ihre Kultur* (2 vols.). Straßburg: Karl J. Trübner.
- Isebaert, Lambert. 1980. *De Indo-Iraanse bestanddelen in de Tocharische woordenschat*. PhD dissertation, Université catholique de Louvain.
- Kimura, Hideaki 木村秀明 et al. 2000. "Transcribed Sanskrit Text of the *Amoghapāsakalparāja* (Part 111)". *Annual of the Institute for Comprehensive Studies of Buddhism Taishō University* 22: 1–64 (= 372–309).
- Kroonen, Guus. 2013. *Etymological Dictionary of Proto-Germanic*. Leiden/Boston: Brill.

- Lamotte, Étienne. 1949. *Le Traité de la grande vertu de sagesse de Nāgārjuna (Mahā-prajñāpāramitāsāstra)*. Louvain-la-Neuve: Institut Orientaliste.
- Lévi, Sylvain. 1911. *Mahāyāna-sūtrālaṅkāra: Exposé de la doctrine du Grand Véhicule* (vol. II). Paris: Librairie Honoré Champion.
- Lewis, Todd & Naresh Bajracharya. 2016. "Newar Buddhist *Homa* Ritual Traditions". R.K. Payne & Michael Witzel (eds.), *Homa Variations: The Study of Ritual Change Across the Longue Durée*, Oxford: Oxford University Press, 291–313.
- Lindeman, Fredrik Otto. 1969. "Bemerkungen zu Toch. B. 225a3–5". *Die Sprache: Zeitschrift für Sprachwissenschaft* 15: 170–172.
- Lindtner, Christian. 1982. *Nagarjuniana: Studies in the Writings and Philosophy of Nāgārjuna*. Copenhagen: Akademisk Forlag.
- LIV² = *Lexikon der Indogermanischen Verben. Die Wurzeln und ihre Primärstammbildungen*, unter Leitung von Helmut Rix bearbeitet von Martin Kümmel, Thomas Zehnder, Reiner Lipp, Brigitte Schirmer. Zweite, erweiterte und verbesserte Auflage bearbeitet von Martin Kümmel und Helmut Rix. 2001. Wiesbaden: Dr. Ludwig Reichert Verlag.
- Lubotsky, Alexander. 2001. "The Indo-Iranian Substratum". Christian Carpelan, Asko Parpola & Petteri Koskikallio (eds.), *Early Contacts between Uralic and Indo-European: Linguistic and Archaeological Considerations*, Helsinki: Suomalais-Ugrilainen Seura, 301–317.
- Maggi, Mauro. 2019. "Annotations on the *Book of Zambasta*, v: Indian Parallels to 2.139 and the Musk of Khotan". Almut Hintze, Desmond Durkin-Meisterernst & Claudius Naumann (eds.), *A Thousand Judgements: Festschrift for Maria Macuch*, Wiesbaden: Harrassowitz Verlag, 291–309.
- Malzahn, Melanie. 2010. *The Tocharian Verbal System*. Leiden/Boston: Brill.
- Matsunaga, Yūkei. 1985. "On the Date of the *Mañjuśrīmūlakalpa*". Michel Strickmann (ed.), *Tantric and Taoist Studies in Honour of R.A. Stein* (vol. 111), Bruxelles: Institut Belge des Hautes Études Chinoises, 882–894.
- von Mészáros, Julius. 1934. *Die Päkhy-Sprache*. Chicago: University of Chicago Press.
- Meunier, Fanny. 2015. *Recherches sur le génitif en tocharien*. PhD dissertation, École Pratique des Hautes Études.
- Morgenstierne, Georg V. 1930. "The Waṇetsi Dialect of Pashto: A Preliminary Note". *Norsk Tidsskrift for Sprogvidenskap* 4: 156–175.
- Morgenstierne, Georg V. 1973. *Irano-Dardica*. Wiesbaden: Dr. Ludwig Reichert Verlag.
- Morris, Richard. 1888. *The Aṅguttara-Nikāya*. London: The Pali Text Society.
- Ogihara, Hirotooshi. 2015. "The Transmission of Buddhist Texts to Tocharian Buddhism". *Journal of the International Association of Buddhist Studies* 38: 295–312.
- Peyrot, Michaël. 2008. *Variation and Change in Tocharian B*. Amsterdam/New York: Rodopi.

- Peyrot, Michaël. 2013. *The Tocharian Subjunctive*. Leiden/Boston: Brill.
- Pinault, Georges-Jean. 2002. "Tocharian and Indo-Iranian: Relations between Two Linguistic Areas". Nicholas Sims-Williams (ed.), *Indo-Iranian Languages and Peoples*, Oxford: Oxford University Press, 243–284.
- Pinault, Georges-Jean. 2006a. "Further Links between the Indo-Iranian Substratum and the BMAC Language". Betil Tikkanen & Heinrich Hettrich (eds.), *Proceedings of the 12th World Sanskrit Conference (Helsinki 2003)*, Delhi: Motilal Banarsidass, 167–196.
- Pinault, Georges-Jean. 2006b. "Sur l'évolution phonétique *tsk* > *sk* en tokharien commun". *Münchener Studien zur Sprachwissenschaft* 62: 103–156.
- Pinault, Georges-Jean. 2008. *Chrestomathie Tokharienne. Textes et Grammaire*. Leuven/Paris: Peeters.
- Przyluski, Jean. 1923. "Les *Vidyārāja*: Contribution à l'histoire de la magie dans les sectes mahāyānistes". *Bulletin de l'École française d'Extrême-Orient* 23: 301–318.
- PW = *Sanskrit-Wörterbuch, herausgegeben von der Kaiserlichen Akademie der Wissenschaften*. Edited by Otto Böhtlingk and Rudolf Roth. 1855–1875. St. Petersburg.
- Sander, Lore & Ernst Waldschmidt. 1985. *Sanskrihandschriften aus den Turfanfunden* (vol. v). Stuttgart: Franz Steiner Verlag.
- Sanderson, Alexis. 2009. "The Śaiva Age: The Rise and Dominance of Śaivism during the Early Medieval Period". Einoo Shingo (ed.), *Genesis and Development of Tantrism*, Tōkyō: Institute of Oriental Culture, University of Tōkyō, 41–350.
- Schmidt, Klaus T. 1974. *Die Gebrauchsweisen des Mediums im Tocharischen*. PhD dissertation, Georg-August-Universität Göttingen.
- Schmidt, Richard. 1928. *Nachträge zum Sanskrit-Wörterbuch in kürzerer Fassung von Otto Böhtlingk*. Leipzig: Schokker.
- Senart, Émile. 1897. *Le Mahāvastu: Texte sanscrit publié pour la première fois et accompagné d'introductions et d'un commentaire* (vol. 111). Paris: Société Asiatique.
- Sieg, Emil. 1943. "Review of *Lexique étymologique des dialectes tokhariens*". *Orientalische Literaturzeitung* 46: 131–138.
- Sieg, Emil 1954. "Die medizinischen und tantrischen Texte der Pariser Sammlung in Tocharisch B". *Zeitschrift für vergleichende Sprachforschung* 72/1–2: 63–83.
- Sieg, Emil & Wilhelm Siegling. 1953. *Tocharische Sprachreste: Sprache B. Heft 2: Fragmente Nr. 71–633, aus dem Nachlaß herausgegeben von Werner Thomas*. Göttingen: Vandenhoeck & Ruprecht.
- Sims-Williams, Nicholas. 1981. "Some Sogdian Denominal Abstract Suffixes". *Acta Orientalia* 42: 11–19.
- Sims-Williams, Nicholas. 1983. "Chotano-Sogdica". *Bulletin of the School of Oriental and African Studies* 46/1:40–51.
- Sims-Williams, Nicholas. 2007. *Bactrian Documents from Northern Afghanistan II: Letters and Buddhist Texts*. London: The Nour Foundation.

- Speyer, J.S. 1902. *Avadānaçataka: A Century of Edifying Tales Belonging to the Hīnayāna*. St. Petersburg: Commissionaires de l'Académie Impériale des Sciences.
- Straube, Martin. 2009. *Studien zur Bodhisattvāvadānakalpalatā: Texte und Quellen der Parallelen zu Haribhaṭṭas Jātakamālā*. Wiesbaden: Harrassowitz Verlag.
- SWTF = *Sanskrit Wörterbuch der buddhistischen Texte aus den Turfan-Funden und der kanonischen Literatur der Sarvāstivāda-Schule*. Edited by Heinz Bechert et al. 1973 ff. Göttingen: Vandenhoeck & Ruprecht.
- Suzuki, D.T. 1955–1961. *The Tibetan Tripiṭaka: Peking Edition, Reprinted under the Supervision of the Ōtani University, Kyōto*. Tōkyō.
- T. = *Taishō shinshū daizōkyō* [= *Taishō Revised Tripiṭaka*] 大正新脩大藏經. Edited by Takakusu Junjirō 高楠順次郎 et al. 1924–1934. Tōkyō.
- Tremblay, Xavier. 2005. "Irano-Tocharica et Tocharo-Iranica". *Bulletin of the School of Oriental and African Studies* 68/3: 421–449.
- Trenckner, Vilhelm. 1888. *The Majjhima-Nikāya* (vol. 1). London: The Pali Text Society.
- Tucci, Giuseppe. 1949. *Tibetan Painted Scrolls*. Rome: La Libreria Dello Stato.
- de la Vallée Poussin, Louis. 1925. *L'Abhidharmakośa de Vasubandhu* (vol. 1v). Paris/Louvain: Paul Geuthner.
- Van Windekens, Albert J. 1972. "Sur quelques termes indo-iraniens empruntés par le tokharien". *Indo-Iranian Journal* 14: 46–51.
- Winter, Werner. 1971. "Baktrische Lehnwörter im Tocharischen". Robert Schmitt-Brandt (ed.), *Donum Indogermanicum: Festgabe für Anton Scherer*, Heidelberg: Winter, 217–223.