



**Martin Schwartz – University of California,  
Berkeley**

## **On an Achaemenian and Sasanian Position \*grastapati-, Old Avestan grāhma-, and Proto- Indo-European $\sqrt{g^hres}$ \***

In this article, I shall show the continuity of an Achaemenid title in Sasanian times, and I shall offer a new etymology for the compound's first element, whose root etymology I shall illuminate by taking forward a new methodological approach to Gathic composition.

A title ΓΡΑΣΤΑΠΑΤΙΣ (*grastapatis*) occurs in a 4<sup>th</sup> century B.C.E. Greek inscription from Mylasa in southwest Anatolia, most recently treated by Descat 2011,<sup>1</sup> who, restoring the text, translated it as follows: “Aux divinités bienfaisantes d’Hékatomnos et d’Aba, en étant grastapatis de Mausole, a consacré (les brasiers?) Artimès fils de Targélios.” Nothing more is known about Artimes, son of Targelios. It is clear, as Descat notes, that Artimes’ title is a Greek rendition of an Old Persian noun \**grastapati-*, nominative \**grastapatiš*, in which \*-*pati-*, as in many other compounds, means ‘chief, master, someone in charge of something (in this instance, \**grasta-*).’<sup>2</sup>

Descat took \**grasta-* as referring to provision of food, seeing in \**grasta-* the equivalent of Vedic *grasta-* ‘something devoured’ (root *gras*), which has a variety of Greek cognates which refer to devouring or eating (by animals or people). Postulating an equivalent Iranian root \**grah*, from which Humbach and Mayrhofer had taken the obscure Old Avestan noun *grāhma-* as ‘voraciousness,’ Descat tentatively proposed for \**grastapati-* ‘chef des choses dévorées, chef de ce qui est mangé.’ Thereby Descat envisaged two possibilities for the function of the *grastapatis*:

– Firstly, Descat called attention to the interest of the Hekatomnids in the raising of herds and the profits therefrom, which is well attested for the instance of Kondalos (Pseudo-

\*This is a somewhat expanded version of an article sent to the volume in memory of Gherardo Gnoli, ed. A. Rossi and E. Provasi.

<sup>1</sup> I thank Professor Pierre Briant for putting this article at my disposal, and Professor Raymond Descat for a lively online discussion of the data, and both scholars for their encouragement. I owe a special debt of gratitude to Dr. Hrach Martirosyan, whose generous and learned correspondence was inestimably important for the development of this article.

<sup>2</sup> For another example of an Old Iranian compound in \*-*pati-* attested in late Achaemenid southwest Anatolia, see Schwartz 2005 [2009].



Aristotle, *Econ.* II.2, 14a), who was responsible for nourishing the animals belonging to the satrap. This activity is related to the central role of animal husbandry in the Achaemenid system, cf. the tax mentioned in Pseudo-Aristotle (*Econ.* II.1, 4, with Briant 1996, 453-456). In this environment *grastapati-* would refer to being in charge of the animals' eating.

— A second possibility mentioned by Descat is that the *grastapatis'* presidency over eating would consist of the provision of meals for the satrap.

However, the fact is that there is no evidence whatever for an Iranian root *grah* 'to eat, to devour'; words for eating and feeding are always from the root *hwar* in Iranian.

Beyond a mere root etymology, a far more secure basis of interpretation is the reflection, for Old Iranian itself, of the very noun *\*grasta-* in Armenian *grast* 'a pack animal,' which formally must derive from West Middle Iranian, *a priori* most likely from Parthian, since this is usually the source of Armenian borrowings from Iranian, and since *\*grast* seems not to be evidenced for Middle Persian.

Before further considering the prepound *\*grasta-*, one must note the survival of *\*grastapati-* as West Middle Iranian *grast(e)bed*, attested as Pahlavi <glstpt> and Parthian <grstpty>, both in two passages of Shapur I's trilingual inscription at Ka'be-ye Zardosht, in each instance paralleled by Greek ΤΟΥ ΕΠΙ ΑΝΝΩΝΗΣ, the latter amounting to 'the one in charge of provisions of supplies (from the provinces to the capital).'

These words were discussed by Bailey 1956, 99–100, who compared the prepound with Arm. *grast* 'animal, such as a horse, mule, and especially ass, for carrying loads.' From the larger context of Shapur's trilingual it is clear that the two successive persons with the title *grast(e)bed* bore a unique imperial economic position. Given now that Armenian *grast* has as its antecedent *\*grasta-*, the prepound of *\*grastapati-*, the latter term should originally have meant *\*'chief of caravan (animal)s,'* which came to designate a late Achaemenid satrapal post (attested at south-west Anatolia) and later a Sasanian imperial office.<sup>3</sup> One must reject Bailey's (*loc. cit.*) derivation of *\*grasta-* from an alleged Indo-Iranian base *\*ghar-dh* 'to take up,' whence supposedly OAv. *gərəzdi-* (correctly 'pathway, approach, access,' to Latin *gradior*).

Given the presently known repertory of Indo-Iranian roots, the form *\*grasta-* could be, in theory, taken as a past passive participle (via *\*gr̥nt<sup>h</sup>-ta-* > *graθ-ta-*) from the Indo-Iranian root *granth* 'to tie a knot.' However, this root is manifest in Iranian only as the noun *\*granθya-*, > e.g. Sogdian *γranš*, Persian *gīrih* 'a knot,' and knotting generally has no notable role in the construction of pack saddles.

<sup>3</sup> It is notable that on the eastern trade roads caravan chiefs, who were in charge of provision for the animals, occupied lucrative and prestigious positions, and the titles for this function underwent semantic expansion; cf. Dien 1962, Sims-Williams 1996, and Schwartz 2009 [2013]. The situation was similar for the *rēš šayyārtā* at Palmyra; cf. Dien 2004.



Etymological guidance for *grasta-* is provided by the Greek word for pack saddle, *σάγμα*,<sup>4</sup> from the root *σακ*, pres. *σάπτω* (\**σακίω*) ‘press, constrict.’ A parallel etymology would have \**grasta-* ‘animal upon which a saddle pack has been imposed’ = past passive participle ‘subjected to pressure or constriction’ from a root *grah* ‘to press, constrict’ (like Av. *frašta-* from the root *fras* ‘to ask’).

Such a root *grah*, I shall try to show, is confirmed by Old Avestan *grāhma-*, which I take as meaning ‘oppression,’ with cognates in words in various Indo-European languages,<sup>5</sup> from which, with OAv. *grāhma-*, I derive from a Proto-Indo-European root \**gʰres* ‘to press, to constrict.’

The meaning ‘oppression’ accords with the passage which precedes the three attestations of *grāhma-* at Y32.12-14:

Y32.11        ‘...the wrongsomenes, who through the robbery of inherited property, show themselves off as milords and miladies with their grandeurs, as they tear the righteous away from Best Mind.’<sup>6</sup>

These evildoers are the *kauui-*s, the local warlord rulers,<sup>7</sup> characterized as domineering tyrants (Y32.12 below), who are patrons of the corrupt priestly rivals of Zarathushtra. The three passages containing *grāhma-*, with their emphasis on the misuse of power, support the translation ‘oppression’:

Y32.12        *aiiāiš grāhmā ašāt karapā varatā xšaθrəmcā išanəm drujəm*  
‘Through such things, via \*oppression, the *karapan*-priest chooses domin(at)ion and the tyrants’ wrongness instead of Rightness.’

Y32.13a        *yā xšaθrā hīšasaṭ acištahiiā dəmānē manarhō*  
b’        *arhəuš marəxtārō ahiiā*  
‘Through such domin(at)ion, \*oppression ties<sup>8</sup> the destroyers of this existence to the House of Worst Mind...’

<sup>4</sup> I have derived from this word the Khwarezmian word for ‘pack saddle,’ *sym f.* (= Arab. *rahl*, Pers. *pālān-i šutur* ‘camel’s pack saddle’) Muqaddimat al-Adab 47.5-6, 121.2, and 316.5 (first Schwartz 1975, 195 fn. 2), a point of cultural-historical interest. Note the also basic sense of bilateral girding for Pers. *pālān* (and Sogdian *pyrδn*) < OIr \**pari-dāna-* ‘placing around.’

<sup>5</sup> Cf. already Schwartz 2006, 461, fn. 4, dismissing connection with Vedic *grāsate* ‘devours’ and [Henning’s] comparison with Middle Iranian forms for ‘wealth.’

<sup>6</sup> This context would explain the glossation of *grāhma-* as Pahlavi *pārag*, Parsi Sanskrit *lañcā*, and Persian *rišvat* ‘bribe.’

<sup>7</sup> Schwartz 2013. To the Sogdian evidence should be added S. *kwy*, *kw’y*, *kw’y* discussed in Sims-Williams 1992, 54 and 75. Note the spelling *kw’y* in the personal name *wkwy* and Man. S. *sm’wtry kw’y* ‘sea giant,’ which shows that the Sogd. word is /kawāy/, from the OIr. strong-stem acc. \**kawāyam*. The OAv forms *kāuuaiiascī* and *kāuuaiiascā* must have defectively placed *ā*. Cf. further Schwartz 2006, 495-496 on \**kawaH-*.

<sup>8</sup> For the meaning and etymology of *hīšasaṭ*, see Schwartz 2006, 461, fn. 5 and the cross-textual composition evidence in Schwartz 2010, 219 and Chart 1 on 221, and most recently Schwartz 2013, 72. For the relevant punitive and other ties, see Schwartz



Y32.14a *ahiiā \*grāhmā<sup>9</sup> ā.hōiθōi nī kāuuaiascīt xratūš nī.dadaṭ*

‘Through the \*oppression of this [existence], the *kauui*-s indeed put their intelligence into ensnarement...’

It shall now be argued that *grāhma*- \*‘oppression’ retains an association with the idea of constriction posited above for *grah* as root of \**grasta*-, and further that *grāhma*- itself is specifically associated with the constriction of animals seen in the form \**grasta*-. We may proceed from the fact that at Y32.13a’ and Y32.14a’ *hīśasaṭ* and *hōiθōi* (respectively) immediately follow derivatives of the root *hāy* ‘to tie (up)’ (which is in the same semantic field as ‘constrict, constrain’) and occur immediately after *grāhma*- ‘oppression,’ the agency responsible for the tying of the oppressors themselves. These derivatives of  $\sqrt{hāy}$  are in a series of forms of this root in the second half of Y32, with culmination at Y32.16c *aēnaṣhē drəguuatō ... aṣhahiā* ‘may I tie up (*aṣhahiā* < /ā hāyāyā/) the wrongsomenes for their harmfulness ....’

In Y32 the focus on tying proceeds from Y46 recalled backwards; specifically Y46.19-Y46.6 contributes a lexical and thematic basis for Y32.7-Y32.16,<sup>10</sup> as shall be charted below. In this compositional recasting, Y46.7 *haēθahiiā* ‘of ensnarement’ has as positional correspondent Y32.16 *aṣhahiā* ‘may I tie up’ from the same  $\sqrt{hāy}$ . At Y46.6, the wrongdoer is said to be doomed to enter the traplines of Wrongness: *drūjō huuō dāmaṣn haēθahiiā gāt*. The next stanza, Y46.7, asks Mazda’s protection from the evildoer who would lay hold of Zarathushtra to harm him. The idea is then elaborated in the stanza which follows, Y46.8: ‘May the threat of him who plots harm against me ... not reach me ..., but may it come with matching enmity against his person, and keep him from good life...’ Here the themes of tying down and restraining go with statements of punitive reciprocity. This ideology of punitive reciprocity lies behind Y32.13 and 14, where *grāhma*- +  $\sqrt{hāy}$  may consequently be said to indicate that the latent constriction ( $\sqrt{grah}$ ), which we have noted from \**grasta*- as root notion of *grāhma*- ‘oppression,’ ties up the agents of oppression.

The following chart shows the aforementioned formal relationships between Y46.19-16 and Y32.7-16. The charting of the correspondences of formally related words also provides a collocative framework for recognizing words which are related purely semantically, within which items there is further evidence for the etymological connection between *grasta*- and *grāhma*-.

Y46.19 & Y32.7 *tu(uām) (...) mazdā vaēdištō* ‘Thou, Mazda, most knowing’

Y46.18 & Y32.8 *vīciθa-* ‘decision’;  $\sqrt{xšn(a)u}$  ‘to satisfy reciprocally’

2006, 460–466.

<sup>9</sup> Mss. *grāhmō* by influence of Y32.14a’ *grāhmō*.

<sup>10</sup> For the principle, see Schwartz 2002 [2006], 3–8, and the charts, with discussion thereupon, in Schwartz 2003 [2007], 2009, 2010, and 2014. The relationship between Y46.19 remembered backwards and Y32.7 seq. was first treated, in elaborate detail, by Schwartz 1991, 143 and 161.



Y46.17 & Y32.9	<i>sāngh-</i> ‘to declare’; $\sqrt{sr(a)u}$ ‘to hear’
Y46.16 & Y32.9	<i>išti-</i> + <i>vañhāuš manayhō</i> ‘the power of Good Mind’
Y46.15 & Y32.10	<i>dāθānng</i> ‘lawful’ + $\sqrt{dā}$ ‘put, establish’
Y46.14 & Y32.11	<i>maz-</i> ‘great’
Y46.13 & Y32.12	$\sqrt{sr(a)u}$ ‘to hear’ + <i>marəta-</i> ‘mortals’
Y46.12 & Y32.12	<i>aēibiiō ... mazdā</i> ‘to them Mazda speaks’
Y46.11 & Y32.13	<i>xšaθrā(iš)</i> ‘via dominations’; <i>ahu-</i> + $\sqrt{mark/č}$ ‘destroy existence’; <i>dəmāna-</i> ‘house’; <i>karapan-</i> ‘priest (pej.)’
Y46.10 & Y32.13	<i>ahiiā</i> ‘of this [existence]’
Y46.9 & Y32.14	<i>gau-</i> ‘cow’; <i>mrau-/mrāu-</i> ‘say’
Y46.8 & Y32.15	<i>jiiātāuš/jiiātōiš</i> ‘of life’
Y46.8 & Y32.16	<i>āθ(r)iš</i> ‘threat’
Y46.7 & Y32.16	<i>aēnañhē</i> ‘for harming’
Y46.6 & Y32.16	$\sqrt{hāy}$ ‘to tie’; <i>drəguuañt-</i> ‘wrongsome’; <i>vahišta-</i> ‘best’

Now, in both corresponding stanzas with the most lexical correlations, Y46.11 and Y32.13, it is said that the *karapan*-s, ‘the destroyers of existence, via the domination(s),’ are doomed to the ‘House’ of Hell; in both the instrumental of *xšaθra-* ‘domination’ is immediately followed at Y46.11 by *yūjān* ‘they yoke/subjugate [mankind]’ and at Y32.13 by *grāhmā* ‘via \*oppression.’ Not only does subjugation here semantically parallel \*oppression, but the literal reference of *yūjān* to yoking would parallel the imposition of pressure, or constriction, posited above for the meaning of  $\sqrt{grah}$  in *\*grasta-* ‘having a pack saddle’ — and in *grāhma-*.

Furthermore,  $\sqrt{y(a)ug/j}$  ‘yoke,’ in its basic reference to something which encumbers animals, has a parallel at Y32.15, immediately continuing the thought of the three preceding stanzas, which attest *grāhma-*: ‘Through these things the *karapan*-dom and *kauui*-dom are lost, together with those whom *they put into harness (aibī ... daiñtī)*; those latter, with the [former] two [groups], will not be brought into the House of Best Mind by Those Who rule over life as They wish.’ Here, again collocated with the theme of retributive impedance we have seen with *grāhma-*, *aibī ... daiñtī* ‘they harness’ parallels *yūjān* ‘they yoke,’ both expressing the imposition of constriction, which, again with animals as object, characterizes *grasta-*, the meaning of whose root, *grah*, as ‘to put under pressure, constrict, constrain,’ is corroborated by the contextual and compositional details attending *grāhma-* < OIr *\*grah-ma-*.

The final support for the meaning of the latter root comes from broader Indo-European considerations, for which we may compare the Iranian exclusively with a series of Baltic forms, which, with the Iranian, point to a PIE verb root *\*gh<sup>h</sup>res*. OAv. *grāhma-*, with *-mV-* formant, com-



pares with Lithuanian *grėsmė*, *grasmė* ‘threat, compulsion.’<sup>11</sup> Allied Baltic forms are Lith. *gresiù*, *grėsti* ‘to threaten (Latvian *grasāt*, *grasīt* ‘id.’), to make loathsome’; *grasùs* ‘disgusting’; *grasà* ‘threat, restriction’; *gristù*, *grīsti* ‘be bored.’ Sharing meanings found for Lith. *gresiù* and *grasùs*, Armenian *garšim* ‘I loathe, am disgusted’ (whence Arm. noun *garš* ‘loathing’) is easily seen as a cognate, < PIE passive *\*g<sup>h</sup>rsyé/ó-* ‘be \*oppressed.’ With the Baltic and Armenian should belong Tocharian B *krās-* ‘to torment, vex’ and related B and A forms (for solution of vocalic problems of derivation from *\*g<sup>h</sup>res*, an account of the history of this etymology, and mention of semantically less likely suggestions for cognates of *krās*, see ADAMS 2013, 231). Accordingly, the PIE root *\*g<sup>h</sup>res*, giving Pir. *\*grah* ‘to put under pressure, press down, constrict,’ explains OAv. *grāhma-* ‘\*oppression’ and its association with tying down, harnessing, etc., and thus also accounts for *\*grasta-* ‘(animal) upon which a saddle has been imposed,’ the latter paralleled by the derivation of the Greek word for ‘pack saddle’ from ‘press, constrict,’ as we have seen. One may readily compare, for the historical semantics, OIr *\*ubjya-* (Av. *ubjiia-* ‘be pressed down,’ noun. *\*ubjyā* > Sogd. /üžbā/, /wižbā/ ‘fright, worry, anxiety,’ Khwar. /wzβ’hyd/ ‘bored, was tedious to’ (SCHWARTZ 1970 [1971], 299).

In conclusion, a late Achaemenid Old Persian title *\*grastapati-*, reflected in a Greek inscription of Mylasa, has as a later correspondent Middle Persian and Parthian *grast(e)bed*, whose Greek equivalent indicates the transportation of provincial supplies. From all these data one may trace the development of *\*grastapati-* as an important economic office originating from ‘chief of caravan animals,’ whose prepound *\*grasta-* (> Armenian *grast*), referring to the imposition of pack saddles, is cognate with OAv. *grāhma-*, which, on the basis of Gathic contextual and compositional criteria, must mean ‘oppression, subjugation, constriction,’ from a Proto-Iranian root *grah* < Proto-Indo-European *\*g<sup>h</sup>res*<sup>12</sup> (also attested in Baltic, Armenian, and Tocharian) ‘to put under pressure, constrict.’

## Addendum

A novel explanation of OAv. *grāhma-* (or, theoretically, *\*grāhman-*) has recently been offered by HUMBACH AND FAISS, 50–51, who, comparing the Vedic root *gras-* ‘to devour, to graze,’ Greek γράστις ‘fodder, forage’ and Latin *grāmen* ‘leaf of grass’ < *\*grasmen*, take the OAv. word as parallel to English slang *grass*, Arabic *ḥašīš* (‘grass’) for ‘cannabis,’ and suggest that the OAv. refers to some unspecified drug plant “and those gang of those who are addicted to it”. No such word for ‘grass’ is attested in (Indo-)Iranian, while analysis of Y32.12–14 points to a very different meaning and (inner-Iranian) etymology.

<sup>11</sup> Pokorny 445, under *\*ghers-*, *\*ghres-* ‘Widerwille, Abscheu, Ekel’ gives Av. *grāhma-* as ‘Sünder, Frevler’ but, although mentioning the other relevant Baltic forms, omits mention of Lithuanian *grėsmė*, *grasmė*. The PIE etymon *\*g<sup>h</sup>res* is not represented by Rix *et al.* 1998.

<sup>12</sup> PIE *\*g<sup>h</sup>res*, if essentially ‘to constrict, apply pressure from without,’ could be taken via *\*ghers* as extension of *\*g<sup>h</sup>er*, whence also *\*g<sup>h</sup>erd<sup>h</sup>* (*\*g<sup>h</sup>red<sup>h</sup>*) ‘to enclose, gird’ (cf. Rix *et al.* 157) and further *\*g<sup>h</sup>reb<sup>h</sup>* ‘to grasp, grip.’



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# **Arta**

Directeur de la publication : Pierre Briant

[arta.achemenet@louvre.fr](mailto:arta.achemenet@louvre.fr)

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